

SPACES DESIGN STUDIO, L.L.C.

Phase II Finishes

[6 BEARS & A GOAT BREWERY]

TAG
MATERIAL
LOCATION
MANUFACTURER
STYLE/NO.
COLOR/NO.
REMARKS

LVT-1

LUXURY VINYL TILE

VESTIBULE, HOST, DINING AREA, BAR, DINING 2

FORBO

ALLURA WOOD

SILVER RUSTIC PINE/W60087

INSTALL PER MANUFACTURER SPECS, SEE DWGS FOR PATTERN



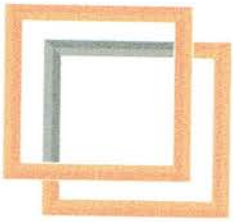
Technical specifications

Allura meets the requirements of EN-ISO 10582

		Allura 0.70	Allura 0.55	
	Total thickness	EN-ISO 24346	2.5 mm	2.2 mm
	Commercial use	EN-ISO 10874	34 very heavy	33 heavy
	Industrial use	EN-ISO 10874	43 general	42 light general
	Collection size		90	90
	Wearlayer thickness	EN-ISO 24340	0.7 mm	0.55 mm
	Tile size	EN-ISO 24342	50x50 cm / 75x50 cm	50x50 cm / 75x50 cm
	Plank size	EN-ISO 24342	100x15 cm / 120x20 cm 100x25 cm / 150x28 cm	100x15 cm / 120x20 cm 100x25 cm / 150x28 cm
	Total weight	ISO 23997	ca 3600 g/m ²	ca 3150 g/m ²
	Packaging per carton tiles		3.0 m ² (12 pcs) / 3.75 m ² (10 pcs)	3.0 m ² (12 pcs) / 3.75 m ² (10 pcs)
	Packaging per carton planks		3.0 m ² (20 pcs) / 2.9 m ² (12 pcs) / 3.0 m ² (12 pcs) / 4.2 m ² (10 pcs)	3.0 m ² (20 pcs) / 2.9 m ² (12 pcs) / 3.0 m ² (12 pcs) / 4.2 m ² (10 pcs)
	Squareness and straightness	EN-ISO 24342	< 400 mm < 0.25 mm > 400 mm < 0.35 mm	< 400 mm < 0.25 mm > 400 mm < 0.35 mm
	Abrasion resistance	EN 660-2	group T	group T
	Slip resistance	DIN 51130	R10	R10
	Acoustical impact noise reduction	EN-ISO 717-2	6 dB	5 dB
	Castor chair continuous use	ISO 4918 / EN 425	Superior	Very good
	Residual indentation	ISO 24343-1	≤ 0.04 mm	≤ 0.04 mm
	Light fastness	ISO 105-B02	≥ 6	≥ 6
	VOC emissions	AgBB/DIBT	Suitable for indoor applications	Suitable for indoor applications
	Resistance to chemicals	EN-ISO 26987	Very good	Very good
	Dimension stability (after exp. to heat)	EN-ISO 23999	≤ 0.05%	≤ 0.05%
	Heat dissipation	DIN 52614	W1 36 KJ/m ³ / W10 240 KJ/m ³	W1 44 KJ/m ³ / W10 270 KJ/m ³
All Allura products meet the requirements of EN 14041				EN 14041 0200130_DOP_306
	Reaction to fire	EN 13501	B _s -s1	B _s -s1
	Slip resistance	EN 13893	DS - μ > 0.30	DS - μ > 0.30
	Thermal conductivity	EN 12524	0.25 W/mK	0.25 W/mK
	Body voltage	EN 1815	< 2 kV	< 2 kV

The quality and environmental management system of Forbo Coevorden B.V. (NL) where Forbo Allura is manufactured are certified in accordance with ISO 9001 and ISO 14001



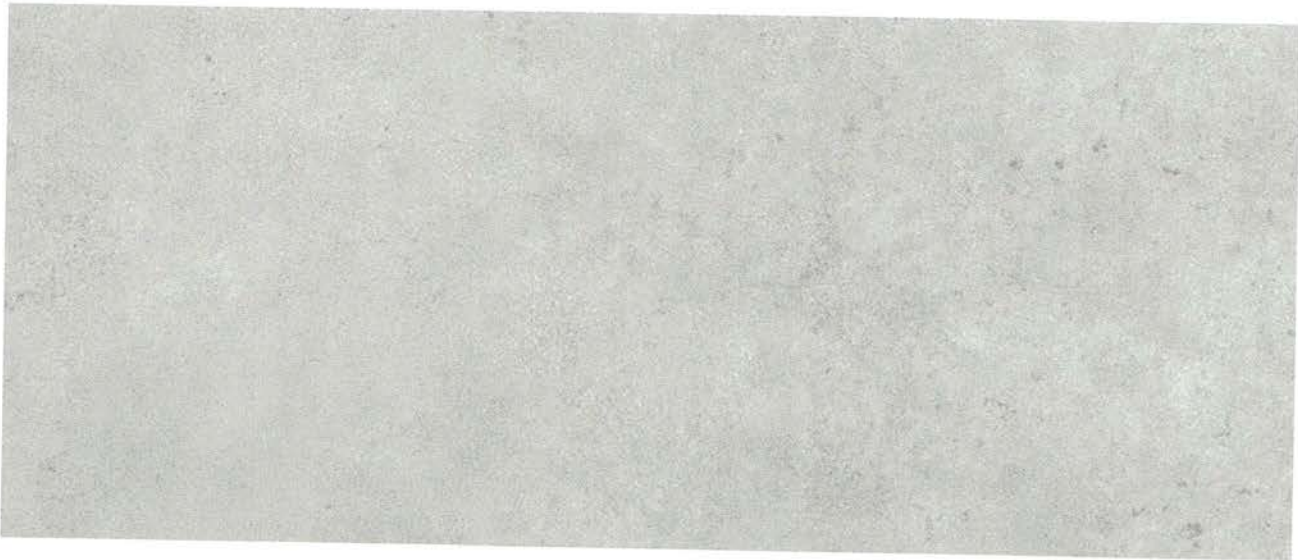


SPACES DESIGN STUDIO, LLC.

Phase II Finishes

[6 BEARS & A GOAT BREWERY]

TAG	PLAM-1
MATERIAL	PLASTIC LAMINATE
LOCATION	
MANUFACTURER	WILSONART
STYLE/NO.	4886-38
COLOR/NO.	PEARL SOAPSTONE
REMARKS	



PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Decorative Plastic Laminate:
 - 1. Standard Decorative Laminates.

1.2 RELATED SECTIONS

- A. Section 06 10 00 - Rough Carpentry.
- B. Section 06 41 13 - Wood-Veneer-Faced Architectural Cabinets
- C. Section 06 42 19 - Plastic-Laminate-Faced Wood Paneling
- D. Section 08 11 23 - Bronze Doors and Frames.
- E. Section - .
- F. Section 08 91 19 - Fixed Louvers.
- G. Section 12 35 50.56 - Built-In Study Carrels.
- H. Section 12 35 53 - Laboratory Casework

1.3 REFERENCES

- A. American Architectural Metals Association (AAMA):
 - 1. AAMA 611: Voluntary Specification for Anodized Architectural Aluminum.
- B. ASTM International (ASTM):
 - 1. ASTM E 84: Standard Test Method for Surface Burning Characteristics of Building Materials.
 - 2. ASTM E 162: Standard Test Method for Surface Flammability of Materials Using a Radiant Heat Energy Source.
 - 3. ASTM E 662: Standard Test Method for Specific Optical Density of Smoke Generated by Solid Materials.
- C. Architectural Woodwork Institute (AWI):
 - 1. AWS: Architectural Woodwork Standards.
- D. Forest Stewardship Council (FSC):
- E. International Maritime Organization (IMO):
 - 1. IMO FTP: International Code for Application of Fire Test Procedures.
 - 2. IMO FTP Code Part 2: Smoke and Density Test.
 - 3. IMO FTP Code Part 5: Test for Surface Flammability.
- F. International Organization for Standardization (ISO):
 - 1. ISO 4586: High Pressure Decorative Laminates.
 - 2. ISO 9001: Quality Management Systems.

- 3. ISO 14001: Environmental Management Systems.
- G. Kitchen Cabinet Manufacturers Association (KCMA):
 - 1. KCMA A161.1: Performance & Construction Standard for Kitchen and Vanity Cabinets.
- H. Leadership in Energy and Environmental Design (LEED):
- I. National Electrical Manufacturers Association (NEMA):
 - 1. NEMA LD-3: High Pressure Decorative Laminates.
- J. Fire National Fire Protection Association (NFPA):
 - 1. NFPA 101: Life Safety Code.
- K. National Science Foundation (NSF):
 - 1. NSF 35: High Pressure Decorative Laminates for Surfacing Food Service Equipment.
 - 2. NSF 51: Food Equipment Materials.
- L. Occupational Health and Safety Assessment Series (OHSAS):
 - 1. OHSAS 18001: Occupational Health and Safety Management Systems.
- M. Southern California Air Quality Management District (SCAQMD):
 - 1. SCAQMD Rule 1168: Adhesive and Sealant Applications.
- N. SCS Global Services (SCS):
 - 1. UL 723: Test for Surface Burning Characteristics of Building Materials.
 - 2. UL 2818: GREENGUARD Certification Program for Chemical Emissions for Building Materials, Finishes and Furnishings.

1.4 SUBMITTALS

- A. Submit under provisions of Section 01 30 00 - Administrative Requirements.
- B. Product Data: Submit the following:
 - 1. Product data for each specified product. Include manufacturer's technical data sheets and published instruction instructions.
 - 2. Safety Data Sheets (SDS).
- C. Shop Drawings: Fully dimensioned shop drawings showing layouts and components, including edge conditions, joinery, terminating conditions, substrate construction, and cutouts and holes. Include elevations, section details, and large scale details. Indicate color, pattern, and finish selections.
- D. Quality Assurance Submittals:
 - 1. Test Reports: Certified test reports showing compliance with specified performance characteristics and physical properties, if required.
 - 2. LEED Submittals: Applicable LEED documentation for potential credits specified in this Section.
 - 3. GREENGUARD Children & Schools.
 - 4. GREENGUARD Indoor Air Quality.
- E. Maintenance Data: Manufacturer's published maintenance manual with closeout submittals.
- F. Selection Samples: For each finish product specified, two complete sets of color chips representing manufacturer's full range of available colors and patterns.
- G. Verification Samples: For each finish product specified, two samples, minimum size 6 inches (150 mm) square representing actual product, color, and patterns.

1.5 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Manufacturer producing products in an ISO 9001, ISO 14001, and OHSAS 18001 certified facility.
- B. Fabricator Qualifications: Minimum of three years documented experience in fabricating decorative plastic laminates similar in scope and complexity of this Project.
- C. Installer Qualifications: Minimum of three years documented installation experience for projects similar in scope and complexity to this Project.
 - 1. Installer shall be the fabricator.
- D. Adhesives, Sealants, and Sealant Primers:
 - 1. SCAQMD (South Coast Air Quality Management District) Rule 1168 for VOC content.
 - 2. Ozone Transport Commission (OTC) model Rule for Adhesives and Sealants.
- E. LEED 2009 rating system potential credits for plastic laminate:
 - 1. Comply with LEED-NC.
 - 2. Comply with LEED-CI.
 - 3. Comply with MR Credit 4 - Recycled Content.
 - 4. Comply with MR Credit 5 - Regional Materials.
 - 5. Comply with MR Credit 6 - Rapidly Renewable Content.
 - 6. Comply with MR Credit 7 - Certified Wood.
 - 7. Comply with IEQ Credit 4.4 - Low-Emitting Materials - Composite Wood and Agrifiber Products.
 - 8. Comply with LEED-CI IEQ Credit 4.5 - Low-Emitting Materials, Systems Furniture and Seating.
- F. LEED 2009 rating system potential credits for adhesives:
 - 1. Comply with LEED-NC.
 - 2. Comply with LEED-CI.
 - 3. Comply with IEQ Credit 3.2 - Construction Indoor Air Quality Management Plan - Before Occupancy.
 - 4. Comply with IEQ Credit 4.1- Low Emitting Materials - Adhesives and Sealants.
 - 5. Comply with IEQ Credit 4.4 Low-Emitting Materials - Composite Wood and Agrifiber Products.
 - 6. Comply with LEED-CI IEQ Credit 4.5 - Low-Emitting Materials, Systems Furniture and Seating.
- G. Certification:
 - 1. GREENGUARD Children & Schools Certified.
 - 2. GREENGUARD Indoor Air Quality Certified.
- H. Mock-Up: Provide a mock-up for evaluation of surface preparation techniques and application workmanship.
 - 1. Finish areas designated by Architect.
 - 2. Do not proceed with remaining work until workmanship is approved by Architect.
 - 3. Refinish mock-up area as required to produce acceptable work.
 - 4. Maintain mock-up during construction for fabrication and installation comparison. If required, remove and legally dispose of mock-up when no longer required.
 - 5. Incorporation: If permitted by Architect, mock-up may be incorporated into as part of the completed Work.

1.6 PRE-INSTALLATION MEETINGS

- A. Convene minimum two weeks prior to starting work of this section.

1.7 DELIVERY, STORAGE, AND HANDLING

- A. Deliver and store products in manufacturer's unopened packaging bearing the brand name and manufacturer's identification until ready for installation.
- B. Storage and Protection: Store plastic laminate materials protected from exposure to harmful weather conditions, at temperature and humidity conditions recommended by manufacturer. Store sheet materials flat on pallets or similar rack-type storage to preclude damage.
- C. Handling: Handle materials to avoid damage.

1.8 PROJECT CONDITIONS

- A. Environmental Requirements: Ensure appropriate acclimatization between plastic laminate and substrate prior to fabrication. Condition plastic laminate and substrate surfaces in the same environment for 48 hours prior to fabrication. Condition at approximately 75 degree F (24 degree C) and 45 percent to 55 percent relative humidity.
 - 1. Adhesive: For best results, apply adhesives at temperatures at or above 65 degree F (18 degree C).
- B. Field Measurements: Verify actual measurements and openings by field measurements before fabrication; show recorded measurements on shop drawings. Coordinate field measurements and fabrication schedule with construction progress to avoid construction delays.

1.9 SEQUENCING

- A. Ensure that products of this section are supplied to affected trades in time to prevent interruption of construction progress.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Acceptable Manufacturer: Wilsonart; 2501 Wilsonart Drive, Temple Texas 76504. ASD. Toll Free Tel (800) 433-3222. Tel: (254) 207-7000. Fax: (254) 207-2545. Email: _____. Web: <http://www.wilsonart.com>.
- B. Substitutions: Not permitted.
- C. Requests for substitutions will be considered in accordance with provisions of Section 01 60 00 - Product Requirements.

2.2 STANDARD DECORATIVE LAMINATES

- A. Product: "Wilsonart Laminate."
- B. General Purpose Laminate Product: "Wilsonart Type 107."
 - 1. Sheet Thickness: 0.048 inch (1.2 mm) nominal.
 - 2. Laminate Conformance Standard: NEMA LD 3, Grade HGS.
 - 3. Laminate Conformance Standard: ISO 4586, Grade HGS.
 - 4. Color, Pattern, and Finish: PEARL SOAPSTONE, 4886-38, FINE VELVET TEXTURE

PART 3 EXECUTION

3.1 EXAMINATION

- A. Examine surfaces for conditions that could adversely affect the performance of the

decorative plastic laminate installation, including edge performance.

- B. Surfaces to be adhesively bonded shall be clean, dry and free of any dust, loose paint, wax, moisture, dirt, grease, oil, rust, or other contaminants.
- C. Commencement of work will constitute acceptance of existing conditions and surfaces to receive the work.

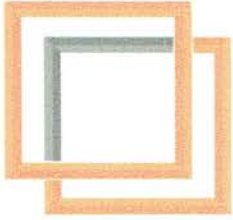
3.2 INSTALLATION, GENERAL

- A. Install materials according to referenced Specification Sections and the following conformance standards as applicable:
 - 1. AWI AWS.
 - 2. KCMA A161.1.
- B. To avoid stress cracking, do not use square-cut inside corners. All inside corners to have a minimum 1/8 inch radius and all edges routed smooth.
- C. Drill oversized holes for screws, bolts, and similar fasteners. Slightly countersink fasteners into face side of laminate-clad substrate.
- D. Use carbide-tipped saw and router blades for cutting, with high tool speed and low feed speed. Keep cutting blades sharp. Use appropriate hold-downs to prevent vibration.

3.3 CLEANING AND PROTECTION

- A. Clean decorative plastic laminate according to manufacturer's printed care and maintenance instructions.
- B. Protect installed products and finish surfaces from damage during remainder of construction period.

END OF SECTION



SPACES DESIGN STUDIO, LLC.

Phase II Finishes

[6 BEARS & A GOAT BREWERY]

TAG	GRT-1
MATERIAL	GROUT
LOCATION	
MANUFACTURER	CUSTOM BUILDING PRODUCTS
STYLE/NO.	EPOXY GROUT
COLOR/NO.	OYSTER GRAY / 386
REMARKS	1/8" GROUT LINES

CEG-IG 100% Solids Industrial Grade Epoxy Grout

1 Product Name

CEG-IG 100% Solids Industrial Grade Epoxy Grout

2 Manufacturer

Custom Building Products
13001 Seal Beach Blvd.
Seal Beach, Ca 90740-2757
Customer Support: 800-272-8786
Technical Service: 800-282-8786
Fax: 800-200-2765
Email: contactus@cbpmail.net
www.custombuildingproducts.com



3 Product Description

CEG-IG is an industrial grade, water cleanable, 100% solids epoxy grout that has high chemical, temperature and stain resistance. It is formulated for harsh environments such as commercial kitchens and food processing facilities. CEG-IG is a two component epoxy system that combines a pigmented hardener with epoxy resins and recycled aggregates to fill joint widths from 1/16" to 1/2" (1.6-13mm) and won't shrink or sag. With its fast cure time, CEG-IG provides a quick return to service.

CEG-IG is compatible with both CEG-Lite Part A and CEG Part A epoxy grout color pigment and hardener products.

Key Features

- High chemical, stain and temperature resistance
- Formulated for harsh environments such as commercial kitchens and food processing facilities
- Water cleanable
- Fast curing

Uses

- CEG-IG can be used as both a grout and as a setting mortar
- Use with virtually any tile: vitreous, semi-vitreous or impervious tile including ceramic, mosaic, quarry, pavers, porcelain, brick, mini-brick and green marble
- Use to fill joint widths from 1/16" to 1/2" (1.6-13mm)
- May be used for both floor and wall installations
- Interior and exterior applications. When used as a grout on exterior applications, color variations may occur over time.
- Floors, countertops, backsplashes, tubs and shower areas
- Excellent for use in chemical and food processing plants such as dairies, breweries, bottling plants, meat processing plants, restaurants, commercial kitchens, fast food restaurants, cafeterias, supermarkets and textile and metal finishing plants where the use of acids, alkalis, solvents, strong detergents, cleaners and other chemicals would normally cause erosion and damage to the setting beds and grout joints. See chemical resistance chart for details.
- Hospitals, clinics, pharmaceutical factories, laboratories and similar installations where clinical sanitation is maintained by harsh cleaning methods. See chemical resistance chart for details.

Suitable Substrates (when used as a bonding mortar)

- Plumb and true masonry, concrete, cured Portland cement mortar beds
- Bond directly to brick, ceramic tiles, cementitious backer board, steel, glass and fiberglass.

Composition of Product

2-part formula, with part A pigmented liquid epoxy hardener and part B liquid epoxy resins combined with recycled aggregates.

Benefits of Product in the Installation

- 2-part 100% Solids Epoxy
- No shrinkage
- Color consistent, stain and chemical resistant
- Easy to spread and water clean-up
- No additive needed for critical grouting application
- Contains recycled materials that may contribute to LEED credits
- Exceeds ANSI 118.3 (100% Epoxy) and ANSI 118.5 (Furan) performance requirements
- Excellent resistance to industrial cleaners.
- Excellent solvent resistance.
- Excellent resistance to inorganic and organic acids.
- Early return to service. As early as seven hour cure time at 75°F (23°C).



CEG-IG 100% Solids Industrial Grade Epoxy Grout

Limitations to the Product

- Should not be used in an environment with temperature requirements above 360°F (182°C) for any extended period of time.
- When used to install tile in an area that will be continually wet (e.g. swimming pools, gang showers, etc.), it is recommended that the complete installation be cured 14 days prior to constant submersion in water.
- Epoxy, epoxy residue, or wash water will discolor painted or anodized surfaces upon contact. Protect these surfaces from exposure.
- Should be tested for possible staining or slight color changes when used with porous, absorptive, textured tile and stone units such as rough textured ceramic tile, natural stone or marble.
- All epoxies are temperature sensitive. Epoxies are easiest to apply when temperatures are between 70°F and 85°F (21°C and 29°C). Lower temperatures will cause the epoxy to become stiff and more difficult to work and will extend initial set. Higher temperatures will cause the epoxy to become more fluid and will accelerate the set.
- With all epoxies, a crystallization effect can occur when the liquid gets below 45°F (7°C) and/or has experienced multiple cycles of high and low temperature changes. If material is hard, place the sealed container (with the lid on), in warm tap water at approximately 120°F (49°C) for 10 to 20 minutes, and when re-liquified, let the material return to room temperature before mixing.
- Colors may appear slightly different than shown on color samples. When color considerations are critical, a mock-up should be constructed prior to final selection and application.
- Some ceramic, glass, metal, marble or stone tiles can be scratched or damaged by the silica aggregate filler. Perform a test on a small area prior to use. [Polyblend® NonSanded Grout](#) may be appropriate for joints smaller than 1/8" or for tile not suited for sanded grout.
- Not for use in movement joints or changes of plane in the tile installation. In these areas use an appropriate caulk or sealant such as [Commercial 100% Silicone Caulk](#) or [Polyblend® Ceramic Tile Caulk](#).

Packaging

Grout mixture requires two separately-sold parts:

- Part A 1.3 lb (.58 kg) container of pigmented liquid epoxy hardener, available in 40 standard colors
- Part B 27.7 lb (12.6 kg) liquid epoxy resin combined with aggregates

4 Technical Data

Applicable Standards

Detailed installation procedures and use of epoxy mortars may be found in the TCNA Handbook under F-114, F-115, F-116E, F-125, F-128, F-143, F-131, F-132, F-134, F-135, F-200, F-205, TR-712 and TR-713 and in addition, in ANSI A108.6. Exceeds ANSI A118.3 specifications. Conforms to requirements for chemical-resistant, water cleanable tile setting and grouting epoxy found in ANSI A108.6, ANSI A118.3, and ANSI A118.5.

Technical Chart

ANSI A118.3 Properties

Property	Test Method	Requirement	Typical results
Water clean-ability	ANSI 118.3 Section 5.1	>80 minutes	>80 minutes
Initial Set	ANSI 118.3 Section 5.2	>2hrs	6 hrs
Shrinkage	ANSI 118.3 Section 5.3	<0.25%	0.05%
Sag in Vertical Joint	ANSI 118.3 Section 5.4	No change	No change
Shear bond to quarry tile	ANSI 118.3 Section 5.5	>1000 psi	>1300 psi
Compressive Strength	ANSI 118.3 Section 5.6	>3500 psi	9500 psi
Tensile Strength	ANSI 118.3 Section 5.7	>1000 psi	3200 psi
Thermal shock resistance	ANSI 118.3 Section 5.8	>500 psi	>1300 psi

ANSI A118.5 Properties

Property	Test Method	Requirement	Typical results
Compressive Strength	ASTM C579	>3000 psi	9500 psi
Tensile Strength	ASTM C307	>400 psi	3200 psi
Absorption	ASTM C413	<1%	0%
Modulus of Rupture	ASTM C580	600 psi	7000 psi
Initial Set	ASTM C308	>5 hours	6 hours
Final Set	ASTM C308	<7 days	pass
Working Time	ASTM C308	10 minutes	40 minutes
Bond Strength	ASTM C321	>150 psi	pass
Linear Shrinkage	ASTM C531	< 1%	0.05%

Environmental Consideration

Custom® Building Products is committed to environmental responsibility in both products produced and in manufacturing practices. Use of this product can contribute towards LEED® v3 certification:

- Up to 2 points towards MR Credit 5, Regional Materials
- Up to 1 point towards IEQ Credit 4.1, Low-Emitting Materials – Adhesives & Sealants

5 Instructions

General Surface Prep

USE CHEMICAL-RESISTANT GLOVES, such as nitrile, when handling product.



CUSTOM®

CEG-IG 100% Solids Industrial Grade Epoxy Grout

All surfaces on which tiles are to be set must be dry, structurally sound, and not subject to temperatures below 65° F (18° C) or above 95° F (35° C). Surfaces must be dry and free of all grease, oil, dirt, dust, curing compounds, sealers, coating, efflorescence, old adhesive residues, gypsum-based underlayments and any other foreign matter. Other substrates like existing ceramic tile, steel, glass and fiberglass must all be free of all oils, coatings, dust and moisture. In addition, these surfaces should be roughened to ensure a good bond. It is also absolutely essential that the existing surface be structurally sound and firmly attached to the supporting structure.

For Construction/Expansion/Control/Isolation Joints, follow installation procedures as outlined in TCNA EJ-171.

NOTE: On porous or rough tiles, pre-grout sealing with a grout release such as [Aqua Mix Grout Release](#) or [TileLab SurfaceGuard](#) may be necessary to prevent staining. Try a test patch to be sure. Epoxy and epoxy wash residue should not be allowed to dry on painted, anodized and thin metal-plated surfaces. Clean uncured materials from these surfaces immediately with soap and water.

Bonding to Concrete Surfaces

In some applications, CEG-IG™ may be used as a mortar when bonding to cement surfaces. Cleaning may be accomplished via mechanical abrasion, scraping or chipping. Smooth, steel-troweled concrete floors must be roughened to ensure a superior bond. Dry porous concrete should not be pre-dampened with water before applying CEG-IG. Instead, skimcoat a thin layer of CEG-IG first, then apply sufficient CEG-IG with the appropriate notch trowel.

Bonding to Existing Surfacing Material

Resilient flooring or plastic laminates must be well-bonded, as well as clean and free of all contaminants. Roughen the surface by sanding or scarifying; rinse and allow to dry. Do not sand flooring that contains asbestos. For existing well-bonded ceramic tile, mechanically abrade the surface. Rinse and allow to dry. When sanding, an approved respirator should be used.

Mixing Procedures

Open Part B and stir thoroughly to eliminate the effects of settling due to shipping. Add the entire contents of two parts pigment Part A to Part B and stir to produce a homogeneous consistency, eliminating any color streaks from appearing in the mixed unit. Do not mix partial units. Make sure to scrape bottom and sides of container during mixing.

NOTE: **TWO PART A UNITS OF COLOR ARE REQUIRED FOR ONE PART B RESIN COMPONENT. GROUT WILL NOT HARDEN OR COME TO THE DESIRED COLOR IF INCORRECTLY MIXED.** For best results, use a power mixer at 300 RPM or less to avoid entrapping air bubbles which cause pinholes in the grout. Do not overmix as this will cause the epoxy to flash set.

Application of Product

Application for Use as a Grout

Remove all grout from container and spread out in piles over the surface to be grouted as soon as mixing is completed. This will extend working time. When grouting walls, place epoxy on a mortarboard placed on the floor. Grout vertical surfaces as soon as possible after mixing. Apply grout using a hard epoxy rubber float, filling all joints full and even with surface of tile.

It is important to achieve 100% fill coverage with no voids in the joints to prevent pinholes and slumping of the epoxy grout. Remove excess epoxy by holding the grout float at a 90° angle and pulling the float diagonally across the grout joints using it like a squeegee. Removing as much epoxy as possible will make final cleaning easier. Avoid gouging joints. Do not allow epoxy to set on face of tile. Apply liberal amounts of clean, warm water to the grouted area. Adding a few drops (maximum) of dishwashing liquid to the water will aid in cleanup. Using a grout sponge and as little pressure as possible, work in a circular motion across tiles to loosen epoxy film and to finish the joints smoothly. Change rinse water (and sponge if buildup occurs) frequently to aid in cleanup and minimize epoxy residue left behind. As a final step, clean film from tile by dragging a damp, clean microfiber towel flatly across the tiles. Pot life will vary depending on ambient conditions; pot life is approximately 60 minutes at 75° F (24° C).

Application for Use as a Mortar

Spread mixed epoxy with flat side of trowel onto substrate. Then, reapply additional mortar to a depth sufficient to be notched with a suitable trowel. Troweling should leave enough mortar to give minimum of 80% contact with back of the tile and a leave a mortar bed of about 3/32" (2.4 mm) for ceramic mosaic tile to 1/4" (6.3 mm) for quarry tile. Temperature affects set time; therefore, it is advisable to occasionally remove a tile to be sure mortar has not skinned over and sufficient transfer is being made. Approximate tack time is 30 minutes at 75°F (24°C). Pot life is approximately 60 minutes at 75°F (24°C). Should epoxy mortar get on surface of tile, it will be necessary to remove it with a damp sponge before it cures. Epoxy residue should not be allowed to cure on unintended surfaces (e.g. painted, wall papered, carpeted, wood, concrete, masonry and stucco surfaces).

Curing of Product

Available for light traffic after 7 hours with ambient temperature at 70° with 50% relative humidity; narrower grout joints and job site conditions may increase cure time. Because propane gas heaters will yellow epoxy, refrain from using such heaters or properly vent all exhaust during the curing process. Protect from harsh industrial cleaners for seven days and from aggressive chemicals for 14 days. Initial maintenance for the first seven days should be using clean water only. All grouting and cleaning should be completed within 80 minutes. If a grout haze is present on the tile, depending on the severity, use [Aqua Mix NanoScrub](#) alone or in conjunction with [Aqua Mix Sealer & Coating Remover](#). Mechanical scrubbing with the above cleaners can be used when necessary.

Exterior applications must be protected from rain, snow and other wet conditions for at least 7 days with temperature above 50° F (10° C). If inclement weather is expected, protect the work area with tenting at least 1 foot (30 cm) above the finished surface to allow air flow. Enclose and protect exterior installations and maintain >50° F (10° C) temperatures for at least 72 hours for proper cure.

Protection

Chemical Resistance



CEG-IG 100% Solids Industrial Grade Epoxy Grout

28 Day Immersion at 23°C	
Acids (Organic and Mineral)	
Acetic Acid, 10%	Pass
Citric Acid, 50%	Pass
Lactic Acid, 10%	Pass
Tartaric Acid, 50%	Pass
Tannic Acid 50%	Pass
5% Benzoic acid	Pass
5% Formic Acid	Pass
HCl, 36.5%	Pass
Nitric Acid, 30%	Pass
Phosphoric Acid 80%	Pass
Sulfuric Acid 50%	Pass
Oleic Acid 100%	Pass
50% Oleic Acid/Water	Pass
Alkalis	
Potassium Hydroxide, 45%	Pass
Sodium Hydroxide Saturated	Pass
Oxidizers/Bleach	
Sodium Hypochlorite, 5%	Pass
10% Potassium Permanganate	Pass
Hydrogen Peroxide	Pass
Water	
Mineral water	Pass
Sea water	Pass
Solvents	
Ethanol	Pass
Gasoline	Pass
Mineral Spirits	Pass
Methanol	Pass
Isopropanol	Pass
Toluene	Pass
Xylene	Pass
MEK	Pass
Cleaners	
Aqua Mix Heavy Duty Tile & Grout Cleaner	Pass
Aqua Mix Heavy Duty Tile & Grout Cleaner with olive oil	Pass
Aqua Mix Heavy Duty Stripper & Cleaner	Pass
Aqua Mix Heavy Duty Stripper & Cleaner with olive oil	Pass
Aqua Mix 1 & 2 Deep Clean	Pass
Aqua Mix 1 & 2 Deep Clean with olive oil	Pass
Sure Grip Cleaner	Pass
Sure Grip Cleaner with olive oil	Pass
Eco Lab Wash and Walk	Pass

Cleaning of equipment

Clean tools and hands with water before material dries.

Storage

Keep from freezing.

Published Date: 7/18/2016

Health Precautions

May irritate eyes. May irritate skin. Do not swallow. Do not get in eyes. Do not get on skin or clothing. Do not breathe fumes. KEEP OUT OF REACH OF CHILDREN. Wear safety glasses and chemical-resistant gloves. First Aid Treatment: If swallowed, call a poison control center or doctor immediately. Do not induce vomiting. If in eyes, rinse with water 15 minutes. If on skin, rinse well with water.

Conformance to Building Codes

Installation must comply with the requirements of all applicable local, state and federal code jurisdictions.



CUSTOM®

CEG-IG 100% Solids Industrial Grade Epoxy Grout

6 Availability & Cost

Item Code	Size	Grout Color	Package
Part A			
LWCEG09A-EA	1.3 lbs	#9 Natural Gray	Tub
LWCEG10A-EA	1.3 lbs	#10 Antique White	Tub
LWCEG11A-EA	1.3 lbs	#11 Snow White	Tub
LWCEG19A-EA	1.3 lbs	#19 Pewter	Tub
LWCEG22A-EA	1.3 lbs	#22 Sahara Tan	Tub
LWCEG45A-EA	1.3 lbs	#45 Summer Wheat	Tub
LWCEG50A-EA	1.3 lbs	#50 Nutmeg	Tub
LWCEG52A-EA	1.3 lbs	#52 Tobacco Brown	Tub
LWCEG59A-EA	1.3 lbs	#59 Saddle Brown	Tub
LWCEG60A-EA	1.3 lbs	#60 Charcoal	Tub
LWCEG95A-EA	1.3 lbs	#95 Sable Brown	Tub
LWCEG101A-EA	1.3 lbs	#101 Quartz	Tub
LWCEG105A-EA	1.3 lbs	#105 Earth	Tub
LWCEG115A-EA	1.3 lbs	#115 Platinum	Tub
LWCEG122A-EA	1.3 lbs	#122 Linen	Tub
LWCEG135A-EA	1.3 lbs	#135 Mushroom	Tub
LWCEG145A-EA	1.3 lbs	#145 Light Smoke	Tub
LWCEG156A-EA	1.3 lbs	#156 Fawn	Tub
LWCEG165A-EA	1.3 lbs	#165 Delorean Gray	Tub
LWCEG172A-EA	1.3 lbs	#172 Urban Putty	Tub
LWCEG180A-EA	1.3 lbs	#180 Sandstone	Tub
LWCEG183A-EA	1.3 lbs	#183 Chateau	Tub
LWCEG185A-EA	1.3 lbs	#185 New Taupe	Tub
LWCEG186A-EA	1.3 lbs	#186 Khaki	Tub
LWCEG333A-EA	1.3 lbs	#333 Alabaster	Tub
LWCEG335A-EA	1.3 lbs	#335 Winter Gray	Tub
LWCEG370A-EA	1.3 lbs	#370 Dove Gray	Tub
LWCEG380A-EA	1.3 lbs	#380 Haystack	Tub
LWCEG381A-EA	1.3 lbs	#381 Bright White	Tub
LWCEG382A-EA	1.3 lbs	#382 Bone	Tub
LWCEG386A-EA	1.3 lbs	#386 Oyster Gray	Tub
LWCEG401A-EA	1.3 lbs	#540 Truffle	Tub
LWCEG541A-EA	1.3 lbs	#541 Walnut	Tub
LWCEG542A-EA	1.3 lbs	#542 Graystone	Tub
LWCEG543A-EA	1.3 lbs	#543 Driftwood	Tub
LWCEG544A-EA	1.3 lbs	#544 Rolling Fog	Tub
LWCEG545A-EA	1.3 lbs	#545 Bleached Wood	Tub
LWCEG546A-EA	1.3 lbs	#546 Cape Gray	Tub
LWCEG547A-EA	1.3 lbs	#547 Ice Blue	Tub
LWCEG548A-EA	1.3 lbs	#548 Surf Green	Tub
Part B			
CEGIGB2	27.7 lbs	n/a	Pail

The following colors are discontinued as of March 2015: #92 Admiral Blue, #96 Quarry Red Clay, #99 Burnt Clay, #127 Antique Linen, #168 Slate Gray, #190 Bay Leaf, #301 Arctic Ice, #305 Onyx Green, #311 Moss, #312 Bonsai, #365 Canvas, #384 Camel, #390 Rose Beige

7 Product Warranty

Custom® Building Products warrants to the original consumer purchaser that its product shall be free from defects in material and workmanship under normal and proper usage for a period of one year following the date of original purchase. Custom's® sole liability under this warranty shall be limited to the replacement of the product. Some states, countries or territories do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty will not extend to any product which has been modified in any way or which has not been used in accordance with Custom's® printed instructions. Custom® makes no other warranties either expressed or implied. This warranty gives you specific legal rights, and you may have other rights that vary from state to state or from one country/territory to another. This warranty is not transferrable.

When CEG-IG 100% Solids Industrial Grade Epoxy Grout is used as a part of a qualifying full installation system of CUSTOM products in an approved installation environment, the installation can qualify for up to a lifetime system warranty. CUSTOM will repair and/or replace, at its discretion, the affected area of the system. For more information, find details and limitations to this warranty at custombuildingproducts.com.

For commercial kitchen and industrial applications, contact your Custom Building Products representative for details regarding warranty durations.

8 Product Maintenance

For routine cleaning, use [Aqua Mix Concentrated Stone & Tile Cleaner](#) or degreasing cleaners like [Aqua Mix Heavy Duty Tile & Grout Cleaner](#) or [Aqua Mix 1+2 Deep Clean](#).

9 Technical Services Information

For technical assistance, contact Custom technical services at 800-282-8786 or visit custombuildingproducts.com.

10 Filing System

Additional product information is available from the manufacturer upon request.



CUSTOM®

CEG-IG 100% Solids Industrial Grade Epoxy Grout

Coverage

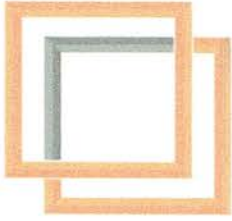
Per unit of CEG-IG (2 Part A + 1 Part B) in ft² (m²)

Tile Size Width x Length x Thickness	Joint Width					
	1/16" (1.6 mm)	1/8" (3 mm)	3/16" (4.8 mm)	1/4" (6.3 mm)	3/8" (9.5 mm)	1/2" (13 mm)
1" x 1" x 1/4" (2.5 x 2.5 x .64 cm)	103 ft ² (9.6 m ²)	58 ft ² (5.4 m ²)	43 ft ² (4 m ²)	36 ft ² (3.3 m ²)	29 ft ² (2.7 m ²)	26 ft ² (2.4 m ²)
2" x 2" x 1/4" (5 x 5 x .64 cm)	194 ft ² (18.1 m ²)	103 ft ² (9.6 m ²)	73 ft ² (6.8 m ²)	58 ft ² (5.4 m ²)	43 ft ² (4 m ²)	36 ft ² (3.3 m ²)
3" x 3" x 1/4" (7.6 x 7.6 x .64 cm)	286 ft ² (26.6 m ²)	149 ft ² (13.8 m ²)	103 ft ² (9.6 m ²)	80 ft ² (7.4 m ²)	58 ft ² (5.4 m ²)	47 ft ² (4.4 m ²)
4.25" x 4.25" x 1/4" (10.8 x 10.8 x .64 cm)	400 ft ² (37.2 m ²)	206 ft ² (19.1 m ²)	141 ft ² (13.1 m ²)	109 ft ² (10.1 m ²)	77 ft ² (7.1 m ²)	61 ft ² (5.6 m ²)
4" x 8" x 1/2" (10.2 x 20.3 x 1.3 cm)	249 ft ² (23.1 m ²)	128 ft ² (11.9 m ²)	87 ft ² (8.1 m ²)	67 ft ² (6.2 m ²)	47 ft ² (4.4 m ²)	36 ft ² (3.3 m ²)
6" x 6" x 1/4" (15.2 x 15.2 x .64 cm)	560 ft ² (52 m ²)	286 ft ² (26.5 m ²)	194 ft ² (18.1 m ²)	149 ft ² (13.8 m ²)	103 ft ² (9.6 m ²)	80 ft ² (7.5 m ²)
6" x 6" x 1/2" (15.2 x 15.2 x 1.3 cm)	280 ft ² (26 m ²)	143 ft ² (13.3 m ²)	97 ft ² (9 m ²)	74 ft ² (6.9 m ²)	52 ft ² (4.8 m ²)	40 ft ² (3.7 m ²)
8" x 8" x 3/8" (20.3 x 20.3 x 1 cm)	495 ft ² (46 m ²)	251 ft ² (23.3 m ²)	170 ft ² (15.8 m ²)	130 ft ² (12.1 m ²)	89 ft ² (8.3 m ²)	69 ft ² (6.4 m ²)
12" x 12" x 3/8" (30.5 x 30.5 x 1 cm)	739 ft ² (68.6 m ²)	373 ft ² (34.7 m ²)	251 ft ² (23.4 m ²)	191 ft ² (17.7 m ²)	130 ft ² (12 m ²)	99 ft ² (9.2 m ²)
16" x 16" x 3/8" (40.6 x 40.6 x 1 cm)	983 ft ² (91.3 m ²)	495 ft ² (46 m ²)	333 ft ² (30.9 m ²)	251 ft ² (23.3 m ²)	170 ft ² (15.8 m ²)	130 ft ² (12.1 m ²)
18" x 18" x 3/8" (45.7 x 45.7 x 1 cm)	1104 ft ² (102.6 m ²)	556 ft ² (51.7 m ²)	373 ft ² (34.7 m ²)	282 ft ² (26.2 m ²)	191 ft ² (17.7 m ²)	145 ft ² (13.5 m ²)
20" x 20" x 3/8" (50.8 x 50.8 x 1 cm)	1226 ft ² (113.9 m ²)	617 ft ² (57.3 m ²)	414 ft ² (38.5 m ²)	312 ft ² (29 m ²)	211 ft ² (19.6 m ²)	160 ft ² (14.9 m ²)
24" x 24" x 3/8" (61 x 61 x 1 cm)	1470 ft ² (136.6 m ²)	739 ft ² (68.7 m ²)	495 ft ² (46 m ²)	373 ft ² (34.7 m ²)	251 ft ² (23.3 m ²)	191 ft ² (17.7 m ²)
6" x 24" x 3/8" (15.2 x 61 x 1 cm)	593 ft ² (55.1 m ²)	300 ft ² (27.9 m ²)	203 ft ² (18.8 m ²)	154 ft ² (14.3 m ²)	105 ft ² (9.8 m ²)	81 ft ² (7.5 m ²)
12" x 24" x 3/8" (30.5 x 61 x 1 cm)	983 ft ² (91.3 m ²)	495 ft ² (46 m ²)	333 ft ² (30.9 m ²)	251 ft ² (23.4 m ²)	170 ft ² (15.8 m ²)	130 ft ² (12 m ²)
6" x 36" x 3/8" (15.2 x 91.4 x 1 cm)	634 ft ² (58.9 m ²)	321 ft ² (29.8 m ²)	217 ft ² (20.2 m ²)	164 ft ² (15.2 m ²)	112 ft ² (10.4 m ²)	86 ft ² (8 m ²)
9 x 36" x 3/8" (22.9 x 91.4 x 1 cm)	885 ft ² (82.2 m ²)	446 ft ² (41.4 m ²)	300 ft ² (27.9 m ²)	227 ft ² (21.1 m ²)	154 ft ² (14.3 m ²)	117 ft ² (10.9 m ²)
12" x 48" x 3/8" (30.5 x 122 x 1 cm)	1178 ft ² (109.4 m ²)	593 ft ² (55.1 m ²)	398 ft ² (37 m ²)	300 ft ² (27.9 m ²)	203 ft ² (18.9 m ²)	154 ft ² (14.3 m ²)

Chart for estimating purposes. Coverage may vary based on installation practices and jobsite conditions. For more tile and joint sizes, use the [Material Calculator](#) at CustomBuildingProducts.com or contact CUSTOM Technical Services at [800-282-8786](tel:800-282-8786).



CUSTOM®

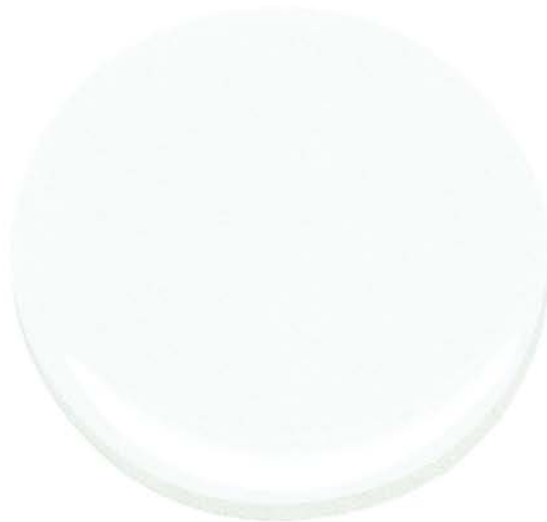


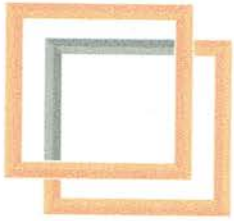
SPACES DESIGN STUDIO, LLC

Phase II Finishes

[6 BEARS & A GOAT BREWERY]

TAG	PT-1
MATERIAL	PAINT
LOCATION	ROOMS 101,102,103,104,105,106,109,110,118/A,121,121 STORAGE
MANUFACTURER	BENJAMIN MOORE
STYLE/NO.	OC-20
COLOR/NO.	PALE OAK
REMARKS	WALLS, EGGSHELL FINISH





SPACES DESIGN STUDIO, LLC

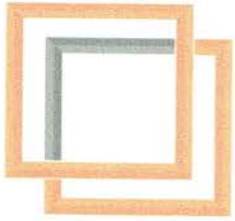
Phase II Finishes

[6 BEARS & A GOAT BREWERY]

TAG
MATERIAL
LOCATION
MANUFACTURER
STYLE/NO.
COLOR/NO.
REMARKS

PT-2
PAINT
DINING AREA
BENJAMIN MOORE
AC-22
NANTUCKET FOG
ACCENT WALLS, EGGSHELL FINISH





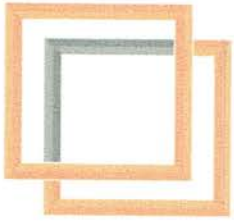
SPACES DESIGN STUDIO, LLC

Phase II Finishes

[6 BEARS & A GOAT BREWERY]

TAG	PT-3
MATERIAL	PAINT
LOCATION	ROOMS 101, 102, 105, 106, 118/A, 121, 121 STORAGE
MANUFACTURER	BENJAMIN MOORE
STYLE/NO.	HC-155
COLOR/NO.	NEWBURYPORT BLUE
REMARKS	CEILING PAINT, FLAT FINISH



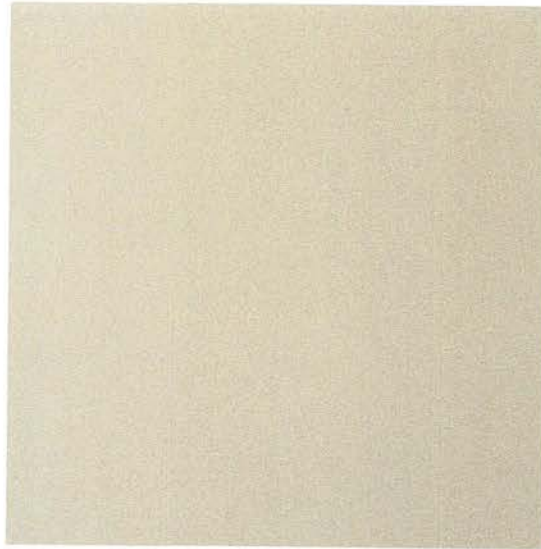


SPACES DESIGN STUDIO, LLC.

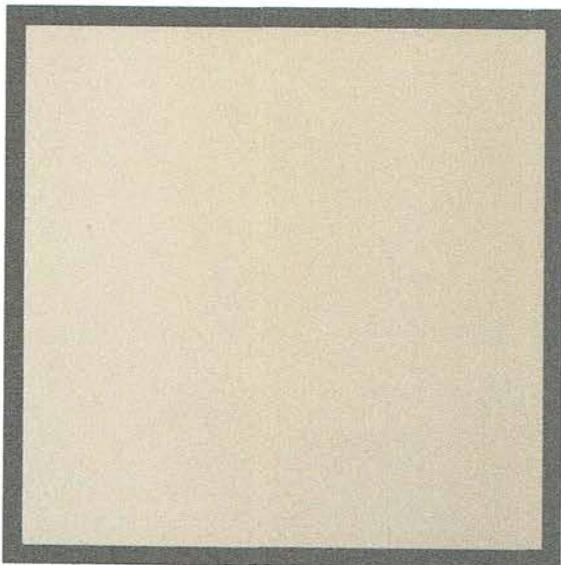
Phase II Finishes

[6 BEARS & A GOAT BREWERY]

TAG	PT-4
MATERIAL	METALLIC PAINT
LOCATION	SEE REMARKS
MANUFACTURER	MDC WALL
STYLE/NO.	LP1018
COLOR/NO.	LIQUAPEARL
REMARKS	CEILING PAINT @ DROP, CEILING @ BAR, FLAT FINISH



MDC Product Specification



LiquaPearl |

LP1018

Paint & Finishes

Bold, illuminated color...

LiquaPearl's unique blend of color and pearlescent shimmer creates a finish with one-of-a-kind sparkle and unbeatable durability. A great choice for architectural features and accents, or any highly visible space in need of a show stopping finish.

Product Specifications

Type: Medium

Backing: None

Fire Rating: Class A

Features

UL Listed



Phase II Finishes

[6 BEARS & A GOAT BREWERY]

TAG
MATERIAL
LOCATION
MANUFACTURER
STYLE/NO.
COLOR/NO.
REMARKS

PT-5
PAINT
TBD
BENJAMIN MOORE
PM-8/HC-178
CHARCOAL SLATE
EGGSHELL FINISH, TOPCOAT TO BE APPLIED: BM TDS 0308





CHALKBOARD PAINT 308

Features

- Goes on easily and is washable
- Resists spattering during application
- Zero VOC, Low odor
- Available in any color
- Dries to a decorative finish that is extremely durable
- Is formulated to minimize lingering odors
- Soap and water clean-up
- Dries quickly

Recommended For

For interior use on previously painted surfaces. Use wherever a chalkboard finish is desired.

General Descriptions

Chalkboard Paint (308) is acrylic-based topcoat and turns virtually any interior surface into a chalkboard.

Limitations

- Do not apply when air and surface temperatures are below 50° F (10° C).

Product Information

Colors — Standard:
N/A

— Tint Bases:
1X, 2X, 3X and 4X

— Special Colors:
None

Certification

VOC compliant in all regulated areas
Zero VOC (No VOC added, less than 5g/L per EPA Method 24)

Qualifies for
LEED®
Credit
(INTERIOR NON-FLAT)

Technical Assistance:

Available through your local authorized independent Benjamin Moore retailer. For the location of the retailer nearest you, call 1-800-826-2623, see www.benjaminmoore.com, or consult your local Yellow Pages.

Technical Data◇

Base 1X

Vehicle Type	100% Acrylic
Pigment Type	Titanium Dioxide
Volume Solids	40%

Coverage per quart at Recommended Film Thickness	100 – 110 Sq. Ft.
--	-------------------

Recommended Film Thickness	– Wet	3.8 mils
	– Dry	1.5 mils

Depending on surface texture and porosity. Be sure to estimate the right amount of paint for the job. This will ensure color uniformity and minimize the disposal of excess paint.

Dry Time @ 77° F (25° C) @ 50% RH	– To Touch	2 Hours
	– To Recoat	4 Hours

Allow painted area to cure for 3 days before using. Painted surfaces can be washed after two weeks. High humidity and cool temperatures will result in longer dry, recoat and service times.

Dries By	Evaporation, Coalescence
----------	--------------------------

Viscosity	95 ± 2 KU
-----------	-----------

Flash Point	None
-------------	------

Gloss / Sheen	Eggshell
---------------	----------

Surface Temperature at Application	– Min.	50° F
	– Max.	90° F

Thin With	Clean Water
-----------	-------------

Clean Up Thinner	Clean Water
------------------	-------------

Weight Per Gallon	10.5 lbs
-------------------	----------

Storage Temperature	– Min.	40° F
	– Max.	90° F

Volatile Organic Compounds (VOC)

0g/L

Zero VOC Post tint (any base and any color)

◇ Reported values are for Base 1X. Contact Benjamin Moore for values of other bases or colors.

Chalkboard Paint 308

Surface Preparation

Surfaces must be clean, dry and free of wax, grease, dust, mildew, water-soluble materials and scaling paint. Hard, glossy areas should be dulled with sandpaper to ensure proper adhesion.

WARNING! If you scrape, sand or remove old paint, you may release lead dust. **LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE.** Wear a NIOSH-approved respirator to control lead exposure. Carefully clean up with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead

Primer/Finish Systems

Use the appropriate Benjamin Moore® Fresh Start® primer if a primer is required. Follow label directions. For previously painted surfaces in good condition, apply one or two coats of this product. Otherwise, before and after filling in nail holes, cracks and other surface imperfections, spot prime with the appropriate Benjamin Moore® Fresh Start® primer. When dry, apply one or two finish coats of Chalkboard Paint (308).

Application

Stir thoroughly. Apply one or two coats. For best results, use a Benjamin Moore® custom-blended nylon/polyester brush, Benjamin Moore® short nap roller, or a similar product. This product can also be sprayed. When brushing or rolling, apply generously using short overlapping strokes, always moving from unpainted into painted areas. Do not over apply. Let paint dry before touching up. Do not apply in temperatures below 50°F (10°C).

Before Using

Allow painted area to cure for 3 days before using. Prior to initial use, rub entire surface with a piece of white chalk and then erase using a clean, damp cloth. Because of the additives used in some varieties of chalk, which can leave a residue when erased, we recommend using lighter colored chalk designed for use on chalkboards.

Thinning/Clean Up

Thinning is unnecessary, but if required to obtain desired application properties, a small amount of clean water may be added. Never add other paints or solvents. Wash painting tools in warm soapy water immediately after use. Spray equipment should be given a final rinse with mineral spirits to prevent rusting or follow state/local guidelines on solvent use.

USE COMPLETELY OR DISPOSE OF PROPERLY. Dry, empty containers may be recycled in a can recycling program. **Local disposal requirements vary, consult your sanitation department or state-designated environmental agency on disposal options.**

Environmental, Health & Safety Information

Use only with adequate ventilation. Do not breathe spray mist or sanding dust. Ensure fresh air entry during application and drying. Avoid contact with eyes and prolonged or repeated contact with skin. Avoid exposure to dust and spray mist by wearing a NIOSH approved respirator during application, sanding and clean up. Follow respirator manufacturer's directions for respirator use. Close container after each use. Wash thoroughly after handling.

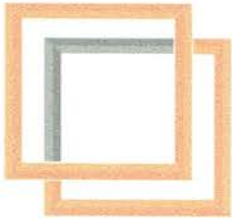
WARNING: This product contains a chemical known to the state of California to cause cancer and birth defects, or other reproductive harm.

FIRST AID: In case of eye contact, flush immediately with plenty of water for at least 15 minutes; for skin, wash thoroughly with soap and water. If symptoms persist, seek medical attention. If you experience difficulty breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical attention immediately.

IN CASE OF: SPILL – Absorb with inert material and dispose of as specified under "THINNING/CLEAN UP".

**KEEP OUT OF REACH OF CHILDREN
PROTECT FROM FREEZING**

**Refer to Material Safety Data Sheet for
additional health and safety information**

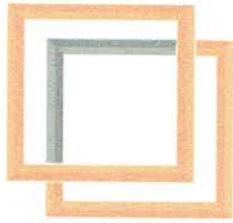


SPACES DESIGN STUDIO, LLC

Phase II Finishes

[6 BEARS & A GOAT BREWERY]

TAG	
MATERIAL	
LOCATION	
MANUFACTURER	
STYLE/NO.	
COLOR/NO.	
REMARKS	
	DRF-1
	POLY-CRETE FLOORING
	DURAFLEX
	TBD
	CHARCOAL

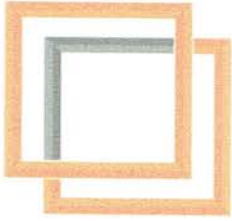


SPACES DESIGN STUDIO, LLC

Phase II Finishes

[6 BEARS & A GOAT BREWERY]

TAG	DRFB-1
MATERIAL	POLY-CRETE FLOORING
LOCATION	
MANUFACTURER	DURAFLEX
STYLE/NO.	TBD
COLOR/NO.	CHARCOAL
REMARKS	



SPACES DESIGN STUDIO, LLC

Phase II Finishes

[6 BEARS & A GOAT BREWERY]

TAG	FRP-2
MATERIAL	FRP
LOCATION	
MANUFACTURER	MARLITE
STYLE/NO.	STANDARD FRP/PEBBLED
COLOR/NO.	P-151/LIGHT GRAY
REMARKS	DIMENSIONS TBD



www.marlite.com

Technical Data

2011

Marlite FRP – Pebbled Texture & Smooth Class “I/A” Wall Panel

Product

Marlite Fiberglass Reinforced Plastic (FRP) Wall Panels, available in textured and smooth surfaces, provide ultimate durability, satisfying the most stringent demands. Marlite FRP is tough, water-resistant, economical to install and easy to maintain.

Features & Attributes

- Tough surface resists stains, chemicals, scratches and abrasions and possesses high impact strength.
- Moisture resistant surface makes the panel ideal for wet environments and does not support the growth of mold or mildew.
- Panels are quick and easy to install and can be simply sprayed and wiped clean.

Applications & Uses

Marlite FRP is ideal for use in kitchens, restrooms, laundries, laboratories and many other service areas in restaurants, supermarkets, convenience stores, hotels and motels, health care facilities, day care centers, food processing plants, correctional facilities, refrigerated warehouses, car washes and agricultural facilities.

Product Identification

FRP Panels

Flame Spread <25
Smoke Developed <450

Standard Items	Available Sizes	Harmonizing Molding	Suggested Adhesive / Sealant	Packaging & Weight
FRP P100 White	4' x 8' 4' x 9' 4' x 10' .090" nominal panel thickness	P100	C375 or C551 / MS250 or MS251	32 sq ft / 20# per pc 36 sq ft / 23# per pc 40 sq ft / 25# per pc
FRP P106 Beige *		P106		
FRP P118 Natural Almond		P118		
FRP P140 Ivory		P140		
FRP P145 Silver		P145		
FRP P151 Light Grey		P151		
FRP P199 Bright White		P100		
FRP P807 Black **		P809		

*available in 4' x 10' only.

** Not stocked in 4' x 9'

Smooth FRP Panels

Flame Spread <25
Smoke Developed <450

Standard Items	Available Sizes	Harmonizing Molding	Suggested Adhesive / Sealant	Packaging & Weight
FRP S100G White	4' x 8' 4' x 10' .090" nominal panel thickness	PVC P100	C375 or C551/MS250 or MS251	4' x 8' 32 sq ft / 20# per pc 4' x 10' 40 sq ft / 25# per pc
FRP S118G Almond		PVC P118		
FRP S100 S/2/S White*		PVC P100		

Physical Properties

Property	ASTM Procedure	Typical Value
		Marlite FRP
Flexural Strengths (psi)	D790	1.0 x 10 ⁴
Flexural Modulus (psi)	D790	3.1 x 10 ⁵
Tensile Strengths (psi)	D638	7.0 x 10 ³
Tensile Modulus (psi)	D638	1.6 x 10 ⁶
Barcol Hardness	D2583	35
Izod Impact Strengths (ft #/in)	D256	7.2
Thermal Coefficient Of Lineal Expansion (in/in/F)	D696	1.57 x 10 ⁻⁵
Water Absorption (%)	D570	.72
Specific Gravity	D792	1.8
Fire Ratings	E-84	Class III/A
Flame Spread		<25
Smoke Generation		<450
CAN/ULC Fire Ratings	S102-M88	
Flame Spread		25
Smoke Generation		450

Panel Specifications

- Marlite FRP Panels are manufactured using a homogenous mixture of calcium carbonate, fiberglass and resin.
- Panels shall have a pebble texture or smooth texture front side. Panel color shall be per specification. Panel backside is smooth and may possess slight imperfections that do not adversely affect performance or physical properties and are not cause for rejection.
- Panel quality standards are (complies with ASTM D5319):
 Panel thickness: .090" +/- 10%
 Width: 48" +/- 1/8"
 Length: specified length +/- 1/8"
 Squareness: not to exceed 1/8" for 8' panels or 5/32" for 10' panels
- Panels shall be installed in strict accordance with Marlite FRP Installation Instructions.

Approvals & Certifications

- Class I/A Fire Ratings per ASTM E-84 flame spread and smoke development tests
- Meets USDA/FSIS requirements
- Canadian Food Inspection Agency and Agriculture Canada approved
- ICC Report #ER-5489
- Mold & Mildew Resistant per ASTM D3273-94 and D3274-95 tests
- Factory Mutual tested and listed

Storage & Preparation

Carefully inspect all panels prior to installation. Notify Marlite at once if panels are deemed unacceptable. Marlite FRP Panels should be stored indoors on a flat, clean, dry surface for at least 24 hours prior to installation. Room and material (panels and adhesive) temperature should both be at or near 70°F at the time of installation. Marlite FRP is intended to be installed over unfinished, untreated plywood or unfinished, untreated drywall. Contact Marlite prior to installing over other substrates.

Installation Overview

Safety – use eye protection. Wear filter mask to cover nose and mouth, especially when cutting panels.

Tools Required – power saw (carbide tip), saber saw (metal cutting blade), caulking gun, tape measurer, drill, file, hammer, level, saw horses and supports.

See *Marlite FRP Installation Instructions* for complete details.

Accessories

- Marlite PVC Trim Molding with integral, matching colors, 8' & 10' lengths.
- Marlite Stainless Steel and PVC Outside Corner Guards, 8' & 10' lengths.
- Marlite PVC Base Molding, 10' lengths.
- C-551 Marlite FRP Adhesive or C-375 Marlite Construction Adhesive
- MS-250 Clear & MS-251 White Marlite Silicone Sealant

Serviceable Temperature Range

Marlite FRP Panels shall maintain its performance characteristics and physical properties in temperatures ranging from -40°F to 130°F. Marlite FRP may discolor near heat sources – such as ovens, fryers, heat lamps and toasters – where temperatures exceed 130°F.

Marlite Pebbled Texture Advantage

Marlite FRP Panels feature a unique pebble texture that offers cleaning advantages over the cracked ice texture used in other manufacturers' FRP panels. These advantages are attributed to the less dramatic peaks and valleys of the Marlite FRP texture. (Per NEMA LD3-1991 Stain Test)

Cleaning Guidelines

When a regular cleaning schedule is executed, soil and dirt will not build up. A mild, non-abrasive cleaner is effective.

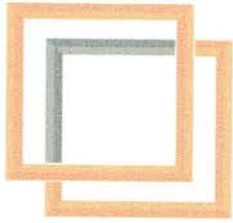
For Additional Information, see:

www.marlite.com

Marlite FRP Panels Color Brochure
 Marlite FRP CSI Specifications
 Marlite FRP Installation Instructions
 Marlite FRP Cleaning Instructions

 **Marlite**
 202 Harger St. PO Box 250
 Dover, OH 44622
 800.377.1221
 330.343.7296 fax
www.marlite.com

Form FR20-04081



SPACES DESIGN STUDIO LLC

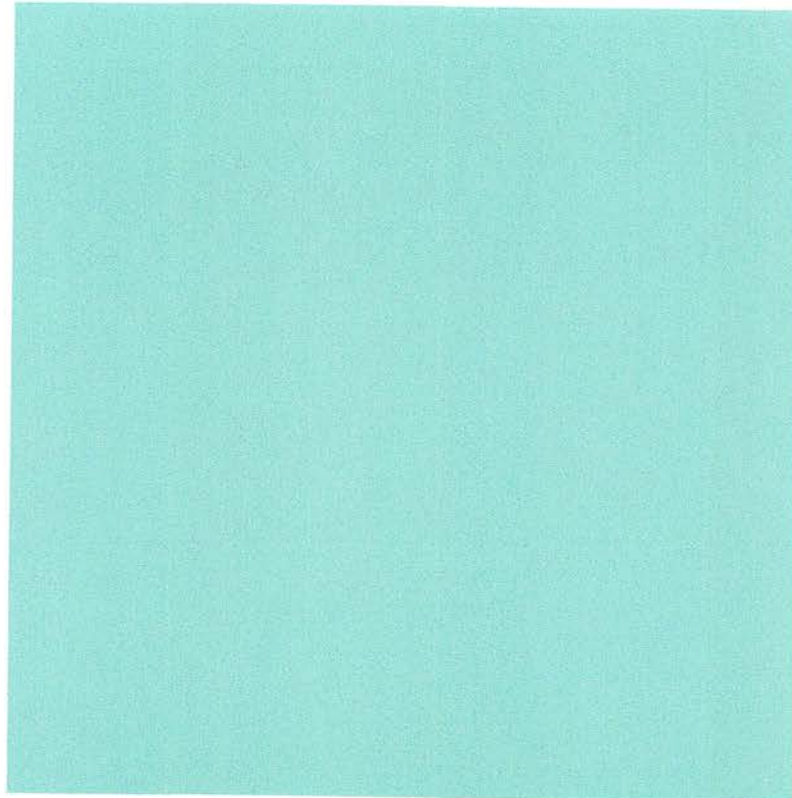
Phase II Finishes

[6 BEARS & A GOAT BREWERY]

TAG
MATERIAL
LOCATION
MANUFACTURER
STYLE/NO.
COLOR/NO.
REMARKS

UPH-1
UPHOLSTERY

MAHARAM
466186/PITCH
011/VOYAGE



Specifications

Pitch

466186

maharam

Application

Outdoor Seating, Seating, Upholstered Walls

Characteristics

Content: 100% Vinyl

Finish: Antimicrobial Ink-Resistant Protective Topcoat

Backing: Polyester

Width: 54" (137cm)

Weight: 30 oz/ly (930 gr/lm)

Bolt Size: 30 yards (27 m)

Maintenance: W/B-Clean with water-based cleanser or diluted household bleach.

Country of Origin: Colombia

Price

\$37.00 / C\$53.00 (FOB destination) / C\$49.50 (FOB origin)

Performance

Abrasion: 100,000 double rubs

Flammability: This textile meets all appropriate flammability requirements for outdoor seating, seating and upholstered walls. See flame certificate for test results.

Lightfastness: 1,000+ Hours

☑️ 🌿 🌞 🍷 ✨

Environmental

Reformulated Antimicrobial

Produced in an ISO 14001 Facility

Warranty

5 years: Outdoor Seating

5 years: Indoor Seating

Warranty for outdoor application applies to color loss and fiber strength only. See Terms and Conditions for more information. See Terms and Conditions for more information.

© 2013 Maharam

Complete product information at maharam.com

800.645.3943

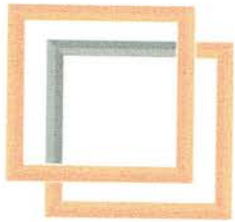
Specifications

Pitch

466186

maharam





SPACES DESIGN STUDIO L.L.C.

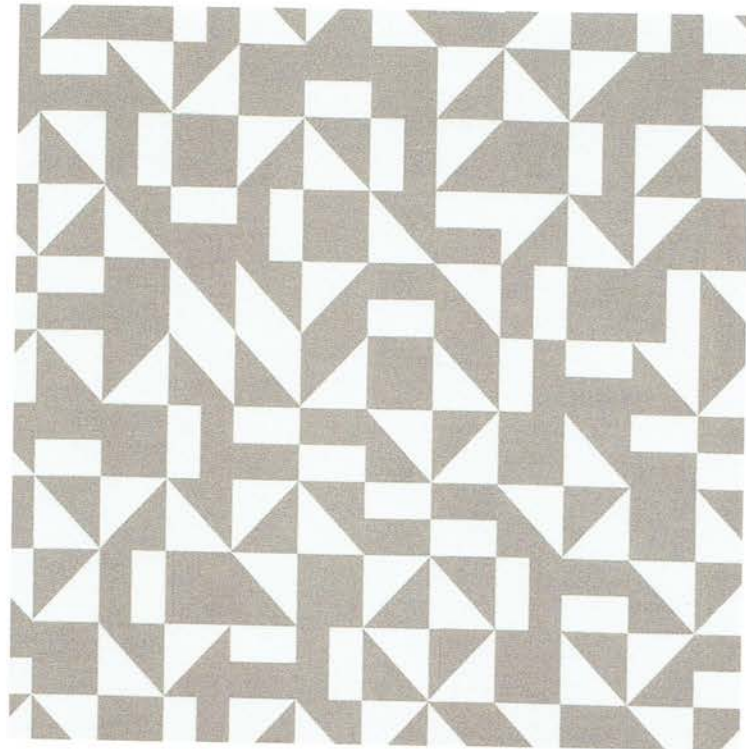
Phase II Finishes

[6 BEARS & A GOAT BREWERY]

TAG
MATERIAL
LOCATION
MANUFACTURER
STYLE/NO.
COLOR/NO.
REMARKS

UPH-1
UPHOLSTERY

MAHARAM
466189/REGATTA
001/DRIFT



Specifications

Regatta
466189

maharam

Application

Outdoor Seating, Seating

Characteristics

Content: 65% Solution-Dyed Acrylic, 35% Solution-Dyed Polyester

Finish: PFOA-Free Stain Resistant

Available Custom Finish: Nano-Tex, Nano-Tex with Durablock, PFOA-Free Stain Resistant Finish

Backing: None

Width: 54" (137cm)

Repeat: 29" V, 28 1/2" H (74cm V, 72cm H), Suitable for non-match application

Weight: 15.5 oz/ly (481 gr/m)

Bolt Size: 50 yards (46 m)

Maintenance: W/S/B-Clean with water-based cleanser; mild, water-free dry cleaning solvent, or diluted household bleach.

Country of Origin: USA

Price

\$57.00 / C\$79.50 (FOB destination) / C\$76.00 (FOB origin)

Performance

Abrasion: 90,000 double rubs

Flammability: This textile meets all appropriate flammability requirements for outdoor seating. See flame certificate for test results.

Lightfastness: 1,500+ Hours



Environmental

Greenguard and Greenguard Gold Certified

PFOA-Free Finish

Solution-Dyed Product

Contributes to LEED 2009 Ieq Credit 4.5, Low Emitting Materials, Systems Furniture and Seating

Contributes to LEED 2009 HC MR Credit 5, Furniture and Medical Furnishings

Produced in an ISO 14001 Facility

FR Free

Facts Silver Certified

Warranty

5 years: Outdoor Seating

5 years: Indoor Seating

Warranty for outdoor application applies to color loss and fiber strength only. See Terms and Conditions for more information. See Terms and Conditions for more information.

© 2013 Maharam



Complete product information at maharam.com
800.645.3943

Specifications

Regatta

466189

maharam



001 Drift



002 Parasol



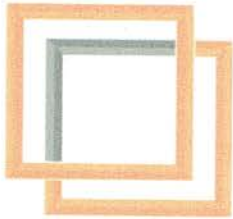
003 Shoreline



004 Swell



005 Cliff



SPACES DESIGN STUDIO, LLC

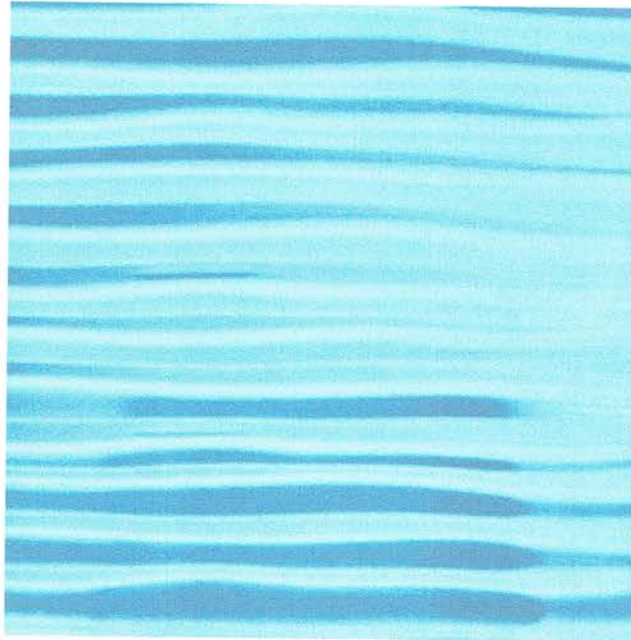
Phase II Finishes

[6 BEARS & A GOAT BREWERY]

TAG
MATERIAL
LOCATION
MANUFACTURER
STYLE/NO.
COLOR/NO.
REMARKS

SF-1
SPECIAL FINISH

3FORM
WAVE
TBD
HOST WALL



Product Description

3form Varia Ecoresin is a dynamic interlayer system with design possibilities as diverse as your imagination. By allowing you to custom-select the color, pattern, texture, interlayer and finish of your material, Varia Ecoresin transforms into the perfect medium for your architectural application. Varia Ecoresin XT can be specified for vertical applications in exterior environments. Reflect, Dichroic™, Wood™ and Timber are also part of the Varia Ecoresin product line.

An award-winning 3form product, Varia Ecoresin has the added benefit of being made from a specially-formulated copolyester resin that combines performance with environmental responsibility. Ecoresin incorporates 40% pre-consumer recycled content without compromising aesthetics or overall physical properties, is compatible with one of the largest post-consumer recycle streams, and is GREENGUARD® Indoor Air Quality Certified.

FEATURES AND BENEFITS

- Produced on an individual order basis, allowing for creative design and product selection (minimum order quantity – ONE sheet!)
- Post-formable into virtually any shape or size for eye-catching installations
- SCS-certified recycled content helps achieve LEED® credits for building sustainability
- Very tough, allowing for easy fabrication and maximum installed durability
- Extremely versatile which enables designers to achieve full design potential
- Lightweight, half the density of glass, which makes for easier installation and reduces structural support requirements
- Excellent chemical resistance which reduces potential harm incurred by cleaning agents
- Varia Ecoresin is GREENGUARD Indoor Air Quality Certified
- Varia Ecoresin is Underwriters Laboratories registered

AVAILABLE COLORS

Varia Ecoresin is available in a variety of standard woven colors. Visit www.3-form.com/materials-varia.com for all available options. Use the C3 Color Matching System to create over 10,000 custom colors.

DICHRIC

Lunar **Solar**

TIMBER

Mocha **Natural**

WOOD

Rosewood **Zebrano Chevron** **Walnut**

Available laser-cut patterns (wood only):

Array	Burrow	Flicker
Flora	Halftone	Pulse
Sequence	Custom designed	

TEXTURES/PATTERNS/FINISHES

Varia Ecoresin includes a wide range of textures and patterns from our Organics®, Moderna, Play, Texture, Color, Wood, Dichroic, Reflect, Timber and Graphic collections.

*The Varia Ecoresin system panels utilizing natural products as a decorative interlayers may change in appearance over time. Natural materials are also subject to inherent inconsistency in color, texture and shape.

Each product in the Varia Ecoresin collection comes standard with both a front and back finish. Additionally, 3form provides the option of substituting between five standard finishes. In most cases, you can even pick different front and back finishes. Finishes include:

- **Grain** - Refined organic detail in a translucent wood grain finish. The pattern direction runs parallel to the eight foot side of the panel.
- **Grid** - Fine, horizontal crosshatched lines create a subtle texture.
- **Patent** - A high gloss finish with highest light transmittance
- **Patina** - A non-glare finish with smooth appearance
- **Sandstone** - A more durable finish with a subtle texture
- **Stucco** - A durable finish with a pebbled texture
- **Supermatte** - A frosted matte finish for maximum light diffusion
- **Vellum** - A random brushed matte finish similar to the 3form renewable matte finish.
- **Velvet** - Durable blurred finish with a crushed velvet appearance. The pattern direction runs parallel to the four foot side of the panel.

*Dichroic and Reflect are only offered in Sandstone and Supermatte finishes, but can be ordered with the SFX Frost applied finish.

*Wood is only offered in Patent, Patina, Sandstone and Supermatte finishes.

Additionally 3form low-VOC functional coatings may be applied to the surface of 3form Varia Ecoresin. Finishes include:

- **Titanium** - Smooth, silver, mirror-like finish on the backing of a panel
- **Markerboard Plus** - High gloss finish with dry-erase board capability
- **Screen** - Frosted finish with dual purpose projection screen capability
- **Patina Plus** - Non-glare finish with slightly frosted appearance
- **SFX Frost** - Applied frosted finish with paper-like appearance

PANEL SIZES AND TOLERANCES

Varia Ecoresin panels are offered in 4' x 8' (1.2 m x 2.4 m) and 4' x 10' (1.2 m x 3 m). All dimensions and squareness are subject to a 3/16" (4.7 mm) tolerance. 5' x 10' (1.5 m x 3 m) is also available, though some restrictions apply.

Varia Ecoresin is available in gauges from 1/16 inch to 1 inch. Dichroic, Reflect and Wood are not available in 1/16 inch gauge. Timber only available in 3/8" thickness.

SHEETS WITH ONE WOVEN COLOR

NOMINAL THICKNESS GAUGE	MINIMUM ALLOWANCE GAUGE	MAXIMUM ALLOWANCE GAUGE
1/16" (1.5 mm)	0.050"	0.070"
1/8" (3.1 mm)	0.104"	0.132"
3/16" (4.7 mm)	0.168"	0.192"
1/4" (6.3 mm)	0.212"	0.260"
3/8" (9.5 mm)	0.324"	0.384"
1/2" (12.7 mm)	0.436"	0.508"
3/4" (19 mm)	0.648"	0.768"
1.0" (25.4 mm)	0.850"	1.060"

NON-EMBOSSD SHEETS, DICHROIC, REFLECT, TIMBER* & WOOD

NOMINAL THICKNESS GAUGE	MINIMUM ALLOWANCE GAUGE	MAXIMUM ALLOWANCE GAUGE
1/8" (3.1 mm)	0.098"	0.138"
3/16" (4.7 mm)	0.155"	0.205"
1/4" (6.3 mm)	0.196"	0.306"
3/8" (9.5 mm)*	0.304"	0.434"
1/2" (12.7 mm)	0.412"	0.562"
3/4" (19.0 mm)	0.618"	0.798"
1.0" (25.4 mm)	0.850"	1.090"

*Timber only available in 3/8" (9.5 mm)

**Add +/- 1/32" (+/-0.8 mm) to the above tolerance for hint textured sheets.

**Add +/- 3/16" (+/-4.7 mm) to the above tolerance for all embossed texture sheets.

Sheet tolerance readings are based on an average of several measurements along both long edges of each panel. These measurements are taken 2-3 inches (50-75 mm) from the edges of the panel.

Linear patterns in Varia Ecoresin panels have a skew tolerance of 1/4" skew over 48". Panels containing a pattern (Capiz, Timber, etc.) will not match up from sheet to sheet. If the sheets are intended to match, they should be field cut on-site to a smaller final sheet dimension. HiRes panels will have an alignment tolerance of 1/4" from sheet to sheet.

FLATNESS TOLERANCE

Varia Ecoresin panels shall not have distortion in the form of a wrinkle, twist or scallop along the perimeter of the sheet. Overall warp extending across the sheet is permitted to a maximum of 9/32" (7.14 mm) for each 48" (1.2 m) or fraction thereof. Panel is to be measured when laying horizontally under its own weight on a flat continuous surface.

Specifications

FLAMMABILITY & SMOKE TEST RESULTS – BUILDING CODE APPROVALS

Varia Ecoresin panels (a polyester-based material), have been independently tested and meet the criteria for approved interior finishes and light transmitting resin materials as described in the 2009 International Building Code®.

TEST	3FORM VARIA ECORESIN	RESULT
ASTM D 2843 Smoke Density	71.6%	PASS Less than 75
ASTM D 635 Flame Spread	Self extinguishing	PASS CC1

TEST	3FORM VARIA ECORESIN	RESULT
ASTM D 1929 Self-ignition Temperature	716°F	PASS Greater than 650°F
UL94	Flame Class - HB	PASS
UPITT Mortality Test	PASS	Not more toxic than wood
NFPA 286 1 1/4" thickness + below (walls only or ceilings only)	Pass	Pass
3/8" thickness + below (walls in standoff configuration or ceilings only)	Pass	Pass
The NFPA 286 corner burn test is accepted by the 2012 IBC for interior finishes. Passing the NFPA 286 test allows for materials to be utilized where Class A materials are required (IBC 803.1.2).		
ASTM E84 Flame Spread, 3/16" thickness Smoke generated	25 250	Class A: 0-25 <450
ASTM E84 Flame Spread, 1/4" thickness Smoke generated	65 425	Class B: 26-75 <450
ASTM E84 Flame Spread, 1/2" thickness Smoke generated	55 400	Class B: 26-75 <450
ASTM E84 Flame Spread, 3/4" thickness Smoke generated	35 450	Class B: 26-75 <450
ASTM E84 Flame Spread, 1" thickness Smoke generated	20 250	Class A: 0-25 <450

Due to their specialty construction, 3form Dichroic, Reflect and 3form Wood have their own unique set of fire performance results.

TEST	3FORM DICHROIC/REFLECT	RESULT
ASTM D 2843 Smoke Density	47.5%	PASS Less than 75
ASTM D 635 Flame Spread	17.4 mm/min	PASS CC2
ASTM D 1929 Self-ignition Temperature	716°F	PASS Greater than 650°F
ASTM E84 Flame Spread, 1/4" thickness Smoke generated	65 450	Class B: 26-75 <450

TEST	3FORM TIMBER	RESULT
ASTM E84-03 Flame Spread, 3/8" thickness Smoke generated	75 450	Class B: 26-75 <450

TEST	3FORM WOOD	RESULT
ASTM D 2843 Smoke Density	68.5%	PASS Less than 75
ASTM D 635 Flame Spread	16.7 mm/min	PASS CC2
ASTM D 1929 Self-ignition Temperature	716°F	PASS Greater than 650°F
ASTM E84 Flame Spread, 1/4" thickness Smoke generated	70 400	Class B: 26-75 <450

PANEL WEIGHT

THICKNESS (INCHES)	WEIGHT FLUX (LB/FT ²)
1/16" (1.5 mm)	0.4 lb/ft ² (2.0 kg/m ²)
1/8" (3.1 mm)	0.8 lb/ft ² (3.9 kg/m ²)
3/16" (4.7 mm)	1.2 lb/ft ² (5.9 kg/m ²)
1/4" (6.3 mm)	1.7 lb/ft ² (8.3 kg/m ²)
3/8" (9.5 mm)	2.5 lb/ft ² (12.2 kg/m ²)
1/2" (12.7 mm)	3.3 lb/ft ² (16.1 kg/m ²)
3/4" (19.0 mm)	5.0 lb/ft ² (24.4 kg/m ²)
1.0" (25.4 mm)	6.6 lb/ft ² (32.2 kg/m ²)

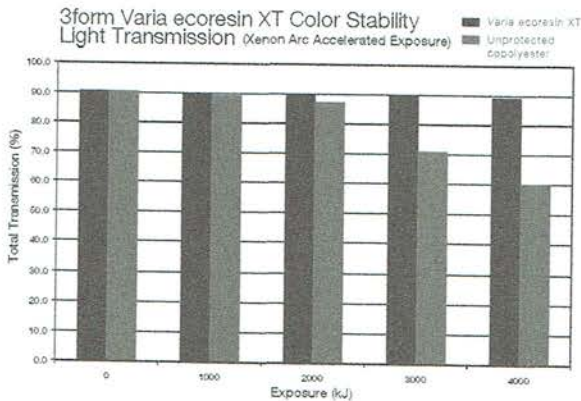
EXPANSION/CONTRACTION ALLOWANCES

Like all resin products, 3form Varia Ecoresin will expand and contract nominally with fluctuations in temperature. The following formula provides allowances that should be made in framed or fitted applications:

- Longest length of panel (inches) x temperature change of the sheet (°F) x 0.00004 = Amount of Linear Expansion/Contraction (inches)

EXAMPLE:

- 48" x 96" panel experiencing 50°F temperature change will expand/contract: 96 inches x 50 degrees x 0.00004 in/in °F = 0.192 inches. Installers should take extra precautions if installation is occurring before the HVAC systems are operational. Allowances should also be made in the following situations:
- Fastening points
- Channel depths in frames



- Holes for standoffs and other hardware
- Meeting points for multiple sheets of 3form Varia Ecoresin

EXTERIOR PERFORMANCE

UV stabilizers, when incorporated with 3form Varia Ecoresin XT panels, have proven to be very effective in maintaining the integrity of the panels with extended exposure to UV radiation.

*3form Wood is not to be used for exterior applications as the wood interlayer is susceptible to swelling or cracking over time.

*3form Dichroic and Reflect are not to be used for exterior applications.

COLOR STABILITY

The above chart illustrates the effectiveness of the UV stabilizers incorporated into 3form Varia Ecoresin XT panels. Following 4,000 kJ of exposure (representing approximately 5 years outdoor Florida exposure), the 3form Varia Ecoresin XT exhibits excellent performance and maintains consistent light transmission.

USAGE LIMITATIONS

VARIA ECORESIN XT

3form Varia Ecoresin XT is not intended for horizontal exterior applications. Dark colors should be avoided if possible as they absorb excessive heat which can lead to permanent distortion or warping. Varia Ecoresin XT is not recommended for extreme high temperature environments (eg, Arizona, New Mexico, Texas, etc.)

DO NOT use cyanoacrylate or solvent type thread locking materials with Varia Ecoresin. To more permanently secure hardware, use the recommended products from the 3form adhesives matrix."

REFLECT

3form Varia Reflect interlayer is very delicate, it is not recommended for use in exterior applications.

When using Varia Reflect in pressure fitting applications, such as stand-off supports, use a pressure distribution plate or neoprene gasket to prevent localized panel separations.

Varia Reflect cannot be heat formed.

DICHROIC

3form Dichroic has an inherent linearity running parallel to the panel length. The 3form Dichroic interlayer is very delicate, it is not recommended for use in exterior applications.

DO NOT cut Dichroic with a jigsaw, scroll saw, or waterjet.

When using Dichroic in pressure fitting applications, such as stand-off supports, use a pressure distribution plate or neoprene gasket to prevent localized panel separations.

Dichroic panels will have a smaller finished size after heat forming. See the heatforming section for details.

ORGANICS

Varia Ecoresin Panels utilizing natural or organic materials (ie. leaves, branches or twigs) may change in appearance over time. Natural materials are also subject to inherent inconsistency in color, texture and shape. Small areas of delamination are also to be expected, especially near saw cut edges.

METALLICS

Varia Ecoresin panels utilizing metallic interlayers (ie. Hollywood, Electra, Itamba, Mirror print) may change in appearance over time due to antiquing of the metallic materials.

WOOD & TIMBER

Because 3form Wood is produced from natural wood pieces, it is not recommended for use in high moisture or exterior applications. Natural wood is very responsive to environmental conditions (moisture, humidity, temperature changes) and therefore is restricted to interior applications. Wood pieces in Timber may contain knots, imperfections, dark spots, stains and color variation. 3form Wood is made using a veneer and provides a one-sided aesthetic which will vary in color, appearance, grain size and width from your sample. 3form Wood may also contain knots and other minor imperfections.

The edges of Timber do not have to be sealed or treated, however if the edges are to be visible, the following treatments improve the edge aesthetics.

Natural: Sand edges with 220 grit sandpaper and carefully wipe the edges with Weld-On 3 (or MEK) making sure not to get any of the chemical on the face or back of the sheet.

Mocha: Sand edges with 220 grit sandpaper and carefully wipe the edges with Minwax Special Walnut 224 stain.

OTHER

Birch will sometimes bleed and cause small amounts of yellowing while being manufactured. In addition, due to the manufacturing press process, birch bulbs may be dispersed within the sheet, some of which will be trapped in clear areas for the Birch Grove pattern.

Structured Bamboo is a one-sided product

Pinapple weave panel width is 45 inches.

FABRICATION

The minimum distance from any edge of the panel to the nearest point on the rim of a hole or cutout must be 2x panel thickness.

EDGE SEALING

Certain Varia Ecoresin designed layers (organics, papers and fabrics in particular) can have a tendency to wick moisture over time if the edges become wet and are not adequately sealed. These Varia Ecoresin products should not be exposed to water or wet conditions without first applying an approved edge sealing treatment. Varia Ecoresin produced using C3 or HighRes do not require edge sealing. These are good options to use as an alternative to Woven Colors and Organics. Edge sealing is required on all exposed edges (including any holes that are created to allow for stand-off fastening). There are some designed Varia Ecoresin Woven Colors that do not exhibit wicking behavior and therefore do not need to be edge sealed. If you have additional questions or concerns regarding edge sealing of 3form products please contact the 3form Technical Help Desk at 877-649-2670.

DEFLECTION

3form Varia Ecoresin will exhibit different amounts of deflection given a variety of factors: fastening techniques, loads, gauges and panel dimensions to list a few. The 3form Technical Help desk can assist you with general deflection guidelines for your application. You may also consult the Varia Deflection Charts technical white paper. If your application has specific engineering requirements, please contact the 3form Product Technology team for additional direction.

HEAT FORMING/COLD BENDING

Varia Ecoresin can be cold bent for simple bends and curved areas. As a rule, a minimum radius of 100 times thickness is acceptable for Varia Ecoresin (will depend on interlayer material). A minimum radius of 250 times thickness should be used for Dichroic. A minimum radius of 200 times thickness should be used for Wood.

Heat formed Dichroic panels will have a finished size 6" less on each dimension than the standard size sold.

STANDARD SIZE	SIZE AFTER FORMING
48" x 96"	42" x 90"
48" x 120"	42" x 116"

PANEL THICKNESS	MINIMUM COLD BEND RADII		
	VARIA ECORESIN	DICHOIC/REFLECT	WOOD
1/16" (1.5 mm)	7" (178 mm)	-	-
1/8" (3.1 mm)	12" (305 mm)	32" (813 mm)	24" (610 mm)
3/16" (4.7 mm)	19" (483 mm)	47" (1194 mm)	37" (950 mm)
1/4" (6.3 mm)	25" (635 mm)	63" (1600 mm)	50" (1270 mm)
3/8" (9.5 mm)	37" (940 mm)	94" (2388 mm)	75" (1905 mm)
1/2" (12.7 mm)	50" (1270 mm)	125" (3175 mm)	100" (2540 mm)
3/4" (19.0 mm)	75" (1905 mm)	188" (4775 mm)	150" (3810 mm)
1" (25.4 mm)	100" (2540 mm)	250" (6350 mm)	200" (5080 mm)

Because of its low thermoforming temperature, Varia Ecoresin is easy to line bend or drape form. For specific details on line bending and heat-forming please consult the 3form Varia Ecoresin Fabrication Manual.

The special construction of 3form Dichroic and Wood introduces challenges in terms of heat forming. Because both are rigid interlayers, complex curvature is not possible. Simple curves and bends may be accomplished. Timber can only be heat-formed in simple curves, perpendicular to the direction of the wood. Minimum heat forming radius for Timber is 48".

For highly complex shapes and curves, consult with or employ the services of the experts in 3form Fabrication.

EDGE FINISHING

Edges of 3form Varia Ecoresin panels are able to be machined or routed into a variety of different forms. In addition to a straight edge, edges may accept beveling, rounding, etc. Additional finishing, such as sanding or polishing, can also be provided to some edges.

Selected Mechanical and Physical Properties for 3form Varia Ecoresin

Values reported for Varia Ecoresin with no decorative inserts. Decorative inserts may increase or may decrease specific test results. Should your application require specific test values, consult the 3form Product Technology Department.

		TYPICAL VALUE			
		0.118" (3 MM)		0.238" (6 MM)	
PROPERTY*	ASTM METHOD	SI	U.S.	SI	U.S.
GENERAL					
Density	D 1505	1,270 kg/m ³	79 lb/ft ³	1,270 kg/m ³	79 lb/ft ³
Water Absorption	D 570 23°C (73°F), 24h Immersion	0.2%	0.2%	0.1%	0.1%
MECHANICAL					
Tensile Stress @ Yield	D 638	53 MPa	7,700 psi	53 MPa	7,700 psi
Tensile Stress @ Break	D 638	26 MPa	3,800 psi	26 MPa	3,800 psi
Elongation @ Yield	D 638	4.8%	4.8%	5.0%	5.0%
Elongation @ Break	D 638	50%	50%	40%	40%
Tensile Modulus	D 638	2,200 MPa	320,000 psi	—	—
Flexural Modulus	D 790	2,100 MPa	310,000 psi	2,000 MPa	290,000 psi
Flexural Strength	D 790	77 MPa	11,200 psi	83 MPa	12,000 psi
Shear Strength	D 732	62 MPa	9,000 psi	62 MPa	9,000 psi
Shear Modulus	—	793 MPa	115,000 psi	—	—
Rockwell Hardness	D 785	115	115	117	117
Safety Glazing	ANSI 97.1	PASS		PASS	
Impact Strength, Notched	D 256 @ 73°F D 256 @ 32°F D 256 @ -22°F	88 J/m 66 J/m 39 J/m	1.7 ft-lb/in 1.2 ft-lb/in 0.7 ft-lb/in	62 J/m — —	1.2 ft-lb/in — —
Impact Strength, Unnotched	D 4812 @ 73°F D 4812 @ 32°F D 4812 @ -22°F	NB** NBB NBB	NB** NBB NBB	NB** — —	NB** — —
Impact Resistance—Puncture, Energy @ Max. Load	D 3763 @ 73°F D 3763 @ 32°F D 3763 @ 14°F D 3763 @ -4°F D 3763 @ -22°F	33 J 40 J 42 J 43 J 47 J	24 ft-lb 30 ft-lb 31 ft-lb 32 ft-lb 34 ft-lb	71 J 93 J 96 J >100 J >100 J	53 ft-lb 69 ft-lb 71 ft-lb >74 ft-lb >74 ft-lb
THERMAL					
Cont. Max Use Temperature - Varia	—	65°C	150°F	65°C	150°F
Cont. Max Use Temperature - Dichroic/ Reflect	—	60°C	140°F	60°C	140°F
Cont. Max Use Temperature - Wood	—	60°C	140°F	60°C	140°F
Heat Deflection Temp	D 648 @ 264psi	70°C	157°F	73°C	164°F
Vicat Softening Temperature	D 1525 @ 1 kg	83°C	181°F	—	—
Forming Temperature	—	138-160°C	280-320°F	—	—
Thermal Conductivity	ASTM D 5930	0.205 W/m-K	0.118 Btu-in/hr-ft ² -°F	0.205 W/m-K	0.118 Btu-in/hr-ft ² -°F
Coefficient of Thermal Expansion	ASTM D 696	7x10 ⁻⁵ mm/mm°C	4x10 ⁻⁵ in/in°F	7x10 ⁻⁵ mm/mm°C	4x10 ⁻⁵ in/in°F

*Unless noted otherwise, all tests are run @ 73°F (22°C) and 50% relative humidity, using specimens machined from extruded sheeting with a thickness as indicated.

**Nonbreak as defined in ASTM D 4812 using specimens having a thickness as indicated. Properties reported here are typical of average lots. 3form makes no representation that the material in any particular shipment will conform exactly to the values given.

REFINISHING

It is possible for Varia Ecoresin to become damaged by scratching. Patent is the only Varia Ecoresin finish that may be repaired, and requires use of a flame polishing technique*.

*Not possible with Varia Ecoresin XT.

Light scratches and scuffs on the sandstone surface finish can be repaired with a plastic polish. The majority of 3form products have a surface finish that would be ruined by buffing.

SOUND TRANSMISSION CLASS (STC) VALUES FOR VARIA ECORESIN

Measurement protocol: ASTM E 90 - Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements

THICKNESS	STC VALUES
1/8" (3.1 mm)	25
3/16" (4.7 mm)	29
1/4" (6.3 mm)	31
3/8" (9.5 mm)	34
1/2" (12.7 mm)	34
1" (25.4 mm)	39

THERMAL INSULATION VALUES FOR VARIA ECORESIN

Insulative values are a function of both the convective properties (U-values and shading coefficients) and the conductive properties (thermal conductivity).

Measurement protocol: ASTM E 903 - Standard Test Method for Solar Absorbance, Reflectance and Transmittance of Materials Using Integrating Spheres, ASTM E 891-87 - Tables for Terrestrial Direct Normal Solar Spectral Irradiance Tables for Air Mass, ASTM E 408-71 - Standard Test Method for Total Normal Emittance of Surfaces Using Inspection-Meter Techniques.

VARIA ECORESIN CLEAR THICKNESS	WINTER U-VALUE (BTU/HR-FT ² -°F)	SUMMER U-VALUE (BTU/HR-FT ² -°F)
1/4" (6.3 mm)	0.97	0.93
3/8" (9.5 mm)	0.90	0.87
1/2" (12.7 mm)	0.83	0.80

Chemical Resistance of 3form Varia Ecoresin to Select Compounds

365 DAY FULL IMMERSION TESTING @ 73°F (23°C)

Polymer materials are affected by chemicals in different ways. Changes in performance or appearance can be attributed to fabrication methods, exposure conditions, concentration of chemical substances or exposure duration. Such factors can even influence the final effect of substances that 3form Varia Ecoresin is considered "Resistant" to under test conditions. Further details are explained below:

FABRICATION

Stresses generated from sanding, grinding, drilling, polishing, machining, sawing and/or forming (hot or cold).

EXPOSURE

Exposure duration, stresses imparted during the application life-cycle due to loads, temperature changes, heat, environments, etc.

APPLICATION OF CHEMICALS

Application from contact, rubbing, wiping, spraying, soaking, etc. Also having an affect is the relative concentration of the chemical in question.

The following data is based on complete immersion of Varia Ecoresin in the chemical or reagent shown. Samples remained immersed and were stored at 73°F (23°C) for a period of one year. Following the test period the samples were removed from immersion and inspected.

The following table provides indicative performance of the chemical resistance characteristics of Ecoresin. The following codes are used to describe the chemical resistance characteristics:

R = RESISTANT

3form Varia Ecoresin is able to withstand the identified compound for long exposure periods up to 120°F (7 days, full immersion)

LR = LIMITED RESISTANCE

3form Varia Ecoresin is only resistant when in contact with this compound for short periods at room temperature. It is advised that further determination of the effect of the substance be further tested in your particular application.

NR = NOT RESISTANT

3form Varia Ecoresin is not resistant to the compound. The material will swell, craze, haze, dissolve or experience some physical change when exposed to this substance.

REAGENT	RESULT	REAGENT	RESULT
Acetic Acid, 5%	R	Acetic Acid, conc.	NR
Acetone	NR	Ammonium Hydroxide, conc.	NR
Antifreeze, Automotive Ethylene Glycol Type	R	Benzene	NR
Brake Fluid, DOT3	R	Brake Fluid	LR
Carbon Tetrachloride	NR	Chromic Acid, 40%	R
Citric Acid, 10%	R	Cottonseed Oil	R
Deionized Water	R	Detergent, Alconox (0.25%)	R
Di (2-Ethylhexyl) Phthalate	R	Dibutyl Sebacate	R
Diesel Fuel	LR	Dimethyl Formamide	NR
Ethanol, 50%	R	Ethanol, 100%	R
Ethyl Acetate	NR	Ethylene Dichloride	NR
Gasohol, 10% Ethanol	LR	Gasohol, 10% Methanol	LR
Gasoline, Base for Gasohol	LR	Gasoline, Premium Unleaded	LR
Gasoline, Regular	R	Gasoline, Regular Unleaded	LR
Grease, Automotive	R	Hand Cleaner, Waterless Jergens SBS30	R
Hexane	R	Hydrochloric Acid, conc.	NR
Hydrochloric Acid, 10%	R	Hydrogen Peroxide, 3%	R
Hydrogen Peroxide, 28%	R	Isooctane	R
Kerosene	R	Laquer Thinner	LR
Methyl Alcohol	LR	Mineral Oil	R
Motor Oil	R	Nitric Acid, conc.	NR
Nitric Acid, 10%	R	Nitric Acid, 40%	LR
Oleic Acid, 83%	R	Olive Oil	R
Oxide, product use dilution	R	Penetrating Oil, Liquid Wrench #1	NR
Phenol, 5%	NR	Silicone Spray Lubricant	NR
Soap Solution, 1%	R	Sodium Carbonate, 2%	R
Sodium Carbonate, 20%	R	Sodium Chloride, 10%	R
Sodium Hydroxide, 1%	R	Sodium Hydroxide, 10%	R
Sodium Hypochlorite, 3.5%	R	Sulfuric Acid, conc.	NR
Sulfuric Acid, 3%	R	Sulfuric Acid, 30%	R
Tapping Oil	R	Toluene	NR
Transformer Oil	LR	Transmission Fluid, Auto	R
Turpentine	LR		

Cleaning Instructions

3form Varia Ecoresin, like all thermoplastic resin materials, should be cleaned periodically. A regular, seasonal cleaning program will dramatically help prevent noticeable weathering and dirt build-up. 3form recommends the use of the following common cleaning products: Windex, Formula 409, Simple Green, Fantastik, Virex, 10:1 Water/Bleach Solution.

Rinse the sheets with lukewarm water. (Be careful not to expose edges of organic or fabric interlayers to water) Remove dust and dirt from Varia Ecoresin with a soft cloth or sponge and a solution of mild soap and/or liquid detergent in water. A 50:50 solution of isopropyl alcohol and water also works well. Rinse thoroughly with lukewarm water.

Always use a soft, damp cloth to blot dry. Rubbing with a dry cloth can scratch the material and create a static charge. Never use scrapers or squeegees on Varia Ecoresin. Also avoid scouring compounds, gasoline, benzene, acetone, carbon tetrachloride, certain deicing fluids, lacquer thinner or other strong solvents.

DO:

- Keep edges dry and free of liquids
- Apply cleaning solution or water to a clean cloth and wipe resin clean

DO NOT:

- Use a squeegee.
- Use strong solvents, highly alkaline or abrasive cleaning agents.
- Clean in hot sun or at elevated temperatures.
- Rub with a dry cloth.
- Do not completely saturate panel with cleaning solution or water
- Expose organic or fabric interlayers to water or cleaning solution

PRESSURE WASHING

Pressure washing can also be an effective way to remove miscellaneous debris from surfaces of 3form Varia Ecoresin installations that are in exterior or hard-to-reach places.

Pre-soak panels with a light water spray to loosen and remove incidental surface debris.

It is recommended that the water pressure for cleaning Varia Ecoresin panels be 1,500 psi or less. 3form Varia Ecoresin is a tough material but can be damaged if high pressure is concentrated in a single position too long. Use a gradual sweeping motion over the application. Never concentrate water spray in a single position. Pressure nozzle should never be positioned closer than 8 inches (203 mm) from the panel surface.

Test a portion of the sheet first before spraying. If test piece shows any sign of material fatigue, abrasion or delamination – discontinue pressure washing and proceed with manual cleaning instructions as described above.

Coated or painted parts are not suitable for pressure washing as finish may be stripped off. Pressure washing is also not suitable for Varia Ecoresin panels that have been edge sealed or seamed. If using detergent, use mild detergents only. Rinse sheet with light water spray after washing.

DO NOT:

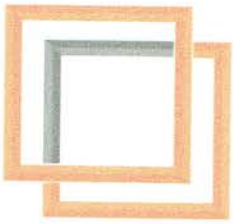
- Concentrate spray in single position.
- Use more than 1,500 psi pressure.
- Position pressure nozzle closer than 8" (203 mm) from panel.
- Proceed with pressure washing if test piece shows detrimental effects to panel.
- Pressure wash Varia Ecoresin panels that have been painted or coated to maintain coating integrity.
- Pressure wash Varia Ecoresin panels with sealed edges to ensure edge seals remain in tact.

If debris or dirt is not removed by pressure washing attempt to clean with manual procedures described in preceding section.

IMPORTANT

If a cleaning material is found to be incompatible in a short-term test, it will usually be found to be incompatible in the field. The converse, however, is not always true. Favorable performance is no guarantee that actual end-use conditions have been duplicated. Therefore, these results should be used as a guide only and it is recommended that the user test the products under actual end-use conditions.

For more information, please visit 3-form.com or call 877-649-2670.

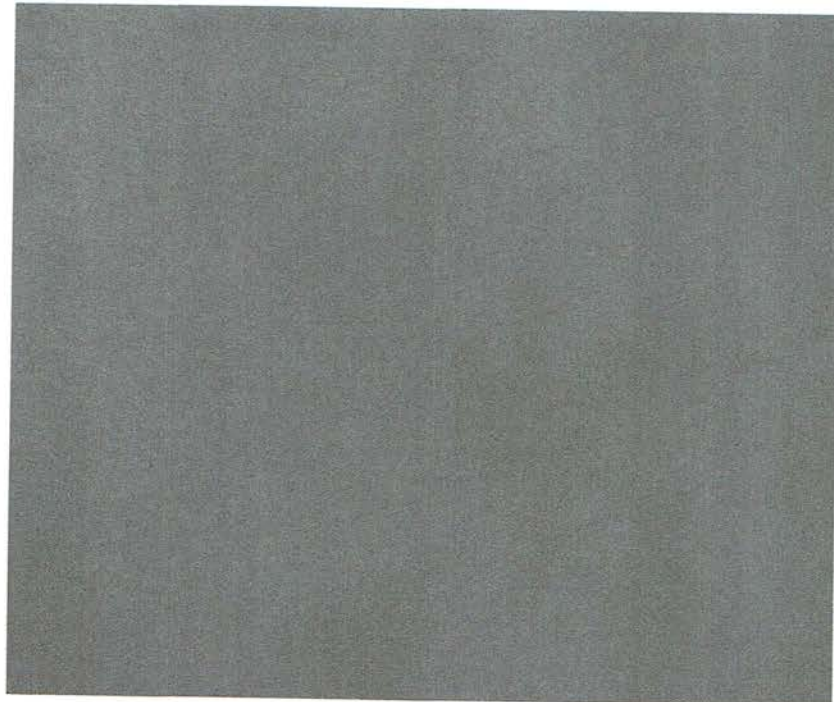


SPACES DESIGN STUDIO LLC

Phase II Finishes

[6 BEARS & A GOAT BREWERY]

TAG	
MATERIAL	METAL
LOCATION	
MANUFACTURER	CHEMETAL
STYLE/NO.	354
COLOR/NO.	ALU DARK
REMARKS	



How to Specify Chemetal

Metal Design or Laminate must be Chemetal.



sales@chemetal.com
800 807-7341
chemetal.com

Chemetal #:	354
Chemetal Name:	ALU DARK
Size:	
Rep/Distributor:	

How to Buy Chemetal.

Chemetal is based in Easthampton, MA and is sold through our national and international distributor network. It is likely you are already familiar with our distributor in your area, they sell many building supplies and materials. To find the distributor nearest you, please call or email.

Notes:

CHEMETAL TECHNICAL DATA

Below please find an abbreviated version of our technical data. More complete info is viewable/downloadable at chemetal.com.

USE:

Chemetal metal designs and laminates are recommended for interior use on vertical and light-duty horizontal surfaces. Please contact Chemetal if you are uncertain about the use of Chemetal in any application. Caution should be taken on surfaces that may be exposed to harsh chemicals, acidic beverages (alcoholic, colas, etc.) without cleaning the surface for lengthy periods of time.

STORAGE:

Store flat, not on edge. The laminates should be stored face-up in a cool, dry area and in a completely supported flat position. Use a top sheet of chipboard or similar material to hold stored sheets flat. Protect material from twist, rack and edge damage.

SUBSTRATES AND BALANCING SHEETS:

Chemetal must be laminated to MDF, HDF, better quality particleboard and very good quality plywood (Baltic Birch, for example). Do not apply directly to gypsum board (sheet rock), concrete or poor quality particle board. Balancing sheets of similar thickness and material are recommended for balanced construction to prevent warping.

CHEMETAL TECHNICAL DATA CONT

PROTECTIVE MASK:

Although Chemetal is supplied with a protective mask, care should be taken when handling. Exposure of masked sheets to light or heat for long periods of time may cause problems with the removal of the protective mask. It is recommended to leave this mask on the surface of the laminates during processing work. Additionally, masking tape, for extra protection in routing work, may be applied over the protective mask. Color uniformity and other quality checks should be carried out on the sheets beforehand by lifting up the edge of the mask and laying it back down.

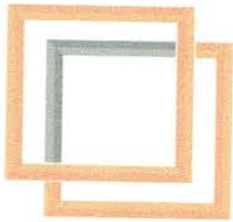
CLEANING AND MAINTENANCE:

Clean with a soft cloth using mild soap and water or nonabrasive glass and metal cleaning liquids. Do not use ammonia, abrasive cleaners or pads, or harsh solvents.

SHIPPING:

Many Chemetal designs may be rolled for shipping. These include 200 and 700 Series designs, and some 300 Series materials. Magnetic laminates (150 Series and #160) and solid metal sheets (including solid metal in 100, 300, 400, 500, 600, 800 and 900 Series) cannot be rolled, even with low pressure laminate backer applied. Exceptions: 24" wide brass designs (800 Series) may be rolled with low pressure laminate backer. 300 Series brass and copper based sheets may be rolled - #310, #325, #337, #423 and #338 with or without backer.



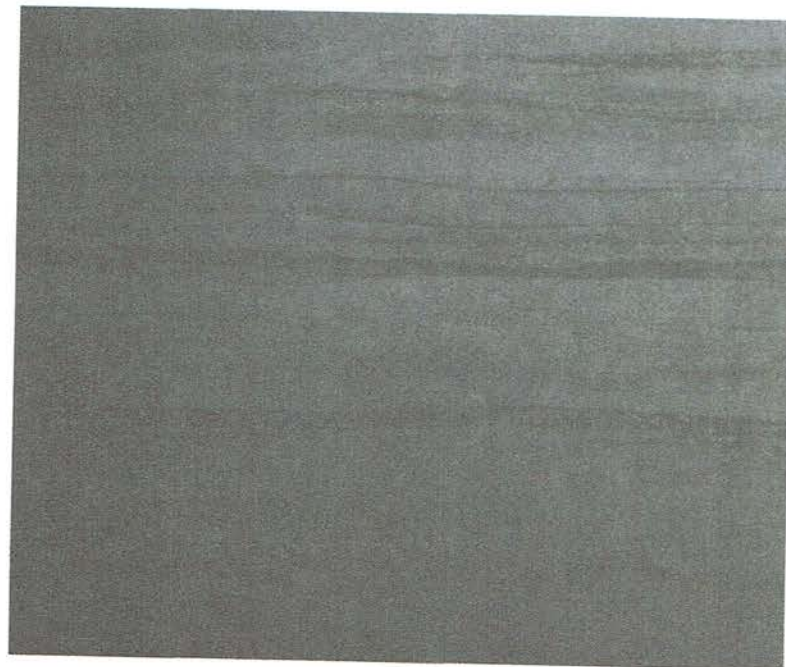


SPACES DESIGN STUDIO LLC

Phase II Finishes

[6 BEARS & A GOAT BREWERY]

TAG	
MATERIAL	METAL
LOCATION	
MANUFACTURER	CHEMETAL
STYLE/NO.	606
COLOR/NO.	BLACKENED ALUMINIUM
REMARKS	



How to Specify Chemetal

Metal Design or Laminate must be Chemetal.



sales@chemetal.com
800 807-7341
chemetal.com

Chemetal #:	606
Chemetal Name:	BLACKENED ALUMINUM
Size:	
Rep/Distributor:	

How to Buy Chemetal.

Chemetal is based in Easthampton, MA and is sold through our national and international distributor network. It is likely you are already familiar with our distributor in your area, they sell many building supplies and materials. To find the distributor nearest you, please call or email.

Notes:

CHEMETAL TECHNICAL DATA

Below please find an abbreviated version of our technical data. More complete info is viewable/downloadable at chemetal.com.

USE:

Chemetal metal designs and laminates are recommended for interior use on vertical and light-duty horizontal surfaces. Please contact Chemetal if you are uncertain about the use of Chemetal in any application. Caution should be taken on surfaces that may be exposed to harsh chemicals, acidic beverages (alcoholic, colas, etc.) without cleaning the surface for lengthy periods of time.

STORAGE:

Store flat, not on edge. The laminates should be stored face-up in a cool, dry area and in a completely supported flat position. Use a top sheet of chipboard or similar material to hold stored sheets flat. Protect material from twist, rack and edge damage.

SUBSTRATES AND BALANCING SHEETS:

Chemetal must be laminated to MDF, HDF, better quality particleboard and very good quality plywood (Baltic Birch, for example). Do not apply directly to gypsum board (sheet rock), concrete or poor quality particle board. Balancing sheets of similar thickness and material are recommended for balanced construction to prevent warping.

CHEMETAL TECHNICAL DATA CONT.

PROTECTIVE MASK:

Although Chemetal is supplied with a protective mask, care should be taken when handling. Exposure of masked sheets to light or heat for long periods of time may cause problems with the removal of the protective mask. It is recommended to leave this mask on the surface of the laminates during processing work. Additionally, masking tape, for extra protection in routing work, may be applied over the protective mask. Color uniformity and other quality checks should be carried out on the sheets beforehand by lifting up the edge of the mask and laying it back down.

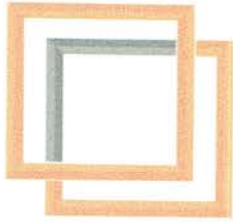
CLEANING AND MAINTENANCE:

Clean with a soft cloth using mild soap and water or nonabrasive glass and metal cleaning liquids. Do not use ammonia, abrasive cleaners or pads, or harsh solvents.

SHIPPING:

Many Chemetal designs may be rolled for shipping. These include 200 and 700 Series designs, and some 300 Series materials. Magnetic laminates (150 Series and #160) and solid metal sheets (including solid metal in 100, 300, 400, 500, 600, 800 and 900 Series) cannot be rolled, even with low pressure laminate backer applied. Exceptions: 24" wide brass designs (800 Series) may be rolled with low pressure laminate backer. 300 Series brass and copper based sheets may be rolled - #310, #325, #337, #423 and #338 with or without backer.





SPACES DESIGN STUDIO, LLC.

Phase II Finishes

[6 BEARS & A GOAT BREWERY]

TAG	
MATERIAL	
LOCATION	
MANUFACTURER	
STYLE/NO.	
COLOR/NO.	
REMARKS	
	WB-1
	WOOD BASE
	CUSTOM
	1X4 WOOD BASE TYP.
	TO MATCH WALL



SPACES DESIGN STUDIO, LLC

Phase II Finishes

[6 BEARS & A GOAT BREWERY]

TAG	SHPLP-1
MATERIAL	SHIPLAP PINE BOARD
LOCATION	
MANUFACTURER	TBD
STYLE/NO.	TBD
COLOR/NO.	PT-1
REMARKS	6"