GLASBORD® smooth panels

PRODUCT CODE: PSIF

PRODUCT
Glasbord with Surfaseal is made of fiberglass reinforced plastic. Glasbord is a durable, flexible building material and will not mold, mildew, rot or corrode. It exhibits excellent resistance to mild chemicals and moisture. The panel has a Class C rating for flame spread and smoke development when tested per ASTM E-84.

SURFASEAL FINISH
Surfaseal is a unique surface treatment that, when compared to ordinary FRP, exhibits up to ten times cleanability, six times the stain resistance and twice the abrasion resistance.

PURPOSE
Glasbord with Surfaseal smooth panels are designed for interior wall finishes where a Class C, sanitary, easy-to-clean panel is desired. Smooth panels will withstand moderate abuse. For better abrasion resistance embossed panels are recommended.

TYPICAL PHYSICAL PROPERTIES

PROPERTY | PSIF | TEST METHOD
--- | --- | ---
FLEXURAL STRENGTH | 14 x 10^3 psi | 97 MPa | ASTM - D790
FLEXURAL MODULUS | 0.75 x 10^6 psi | 5171 MPa | ASTM - D790
TENSILE STRENGTH | 7 x 10^3 psi | 48 MPa | ASTM - D638
TENSILE MODULUS | 0.7 x 10^6 psi | 4826 MPa | ASTM - D638
BARCOL HARDNESS | 45 | ASTM - D2583
IZOD IMPACT | 4.0 ft-lb/in notched | 0.21 J/mm | ASTM - D256
COEFFICIENT OF LINEAR THERMAL EXPANSION | 2.0 x 10^-6 10/10°F | 36 µm/m°C | ASTM - D698
WATER ABSORPTION | <0.75%/24hrs @77°F | 25°C | ASTM - D670
SURFACE BURNING CHARACTERISTICS | Class C | ASTM - E84
SPECIFICATIONS
Crane Composites, Inc. (CCI) panels are manufactured by a continuous laminating process in lengths as required.

COMPOSITION
Reinforcement: Random chopped fiberglass.
Resin Mix: Polyester/styrene copolymer, inorganic fillers, and pigments.

FINISHED PANEL QUALITY
1. Panels shall have a wear side with a smooth finish. Color shall be uniform throughout as specified. The backside shall be smooth. The backside surface may have some variations which do not affect functional properties and are not cause for rejection.
2. Physical properties shall be as set forth on Page 1.
3. Dimensions shall be as specified on purchase order, subject to the following tolerances:
   - WIDTH: ±1/8” (±3.2 mm)
   - LENGTH: ±1/8” (±3.2 mm) up to 12’ (3.7 m)
   - SQUARENESS: ±1/8” (±3.2 mm) in 48” (1.2 m) of width
4. Product quality standards and tolerances for panel weight and thickness shall be as set forth in Crane Composites’ Quality Control Procedures/Standards which are available on request.
5. Panels shall be installed in accordance with manufacturer’s guidelines as set forth in the Crane Composites Installation Guide (Form #6876).

CERTIFICATIONS
1. Meets USDA/FSIS requirements.
2. Some products have been tested and meet the requirements FMVSS 302. For a list products that have been tested to this requirement, see our test reports on our website at www.cranecomposites.com/testreports.html
3. FRP does not support mold or mildew (per ASTM D3273 and ASTM D3274).
4. Meets minimum requirements of major model building codes for Class C interior wall and ceiling finishes of flame spread ≤ 200, smoke developed ≤ 450 (per ASTM E-84).
5. Meeting certification requirements for CAN/ULC-S102.
6. This panel has earned GREENGUARD® Indoor Air Quality Certification (Certificate #15955-410) greenguard.org.

STORAGE REQUIREMENTS
All Crane Composites FRP products should be stored indoors.

FABRICATING RECOMMENDATIONS
NOTE: Protect your eyes with goggles; cover your nose and mouth with a filter mask; cover exposed skin when cutting CCI panels.
HAND FABRICATING: Drilling—High speed drill bit (60° cutting angle, with 12°-15° clearance) or hole saw.
CUTTING: Sheet metal shears or circular saw with reinforced carborundum or carbide-tipped blade.
PRODUCTION FABRICATING: Use carbide-tipped tools. Straight cuts can be sheared (90° cutting edge with 0.002” [0.05 mm] clearance) or sawed. For irregular cuts, use die punch or band saw.
CLEANING INSTRUCTIONS: Available from CCI.
SDS: Prior to working with our products, see our most current SDS at cranecomposites.com/sds.html

SERVICEABLE TEMPERATURE RANGE
Panels will perform in temperatures from -40°F (-40°C) to 130°F (55°C). For use in environments beyond this range contact Crane Composites for recommendations.

LIMITATIONS
Near Heat Source: Crane Composites panels will discolor when installed behind or near any heat source which radiates temperatures exceeding 130°F (55°C), such as cookers, ovens, and deep fryers. Do not install near a heat source.
Uneven Surface: Installation over uneven concrete block walls may result in areas of delamination and bulging.

CRANE COMPOSITES TESTING
CLEANABILITY TEST: When Glasbord with Surfaseal and an ordinary FRP panel are heavily soiled, the Glasbord panel exhibits up to 10 times more cleanability per MacBeth Computer Colorimeter.
Stain Resistance Test: Prolonged direct contact to concentrated ammonia-based cleaner exhibited no color change per MacBeth Colorimeter.

NOTICE
Panels will provide a clean, aesthetically-pleasing finished installation. However, by nature, fiberglass reinforced plastic paneling may occasionally have small areas that are aesthetically unacceptable for use. Panels should be inspected on-site prior to installation. If any portion of material does not provide an acceptable appearance, Crane Composites should be notified at once. Upon verification of unacceptable material, that portion of material will be replaced by Crane Composites. Crane Composites’ sole responsibility is for the replacement of defective materials but not for labor or other handling or installation expenses.

FLAME SPREAD AND SMOKE DEVELOPMENT RATINGS
The numerical flame spread and smoke development ratings are not intended to reflect alleged hazards presented by Crane Composites products under actual fire conditions and this product has not been tested by Crane Composites except as set forth below. These ratings are determined by small-scale tests conducted by Underwriters Laboratories and other independent testing facilities using the American Society for Testing and Materials E-84 test standard (commonly referred to as the “Tunnel Test”).
CRANE COMPOSITES PROVIDES THESE RATING FOR MATERIAL COMPARISON PURPOSES ONLY. Like other organic building materials (e.g. wood), panels made of fiberglass reinforced plastic resins will burn. When ignited, FRP may produce dense smoke very rapidly. All smoke is toxic. Fire safety requires proper design of facilities and fire suppression systems, as well as precautions during construction and occupancy. Local codes, insurance requirements and any special needs of the product user will determine the correct fire-rated interior finish and fire suppression system necessary for a specific installation. We believe all information given is accurate, without guarantee. Since conditions of use are beyond our control, all risks are assumed by the user. Nothing herein shall be construed as a recommendation for uses which infringe on valid patents or as extending a license under valid patents. www.astm.org/Standards/E84.htm.

A global leader to provide resilient wall and ceiling coverings. Kemlite® was established in 1954 and the company changed names to Crane Composites in 2007. Crane Composites is headquartered in Channahon, IL and all our products are manufactured in the United States. We work with hundreds of distributors, ensuring our products are easily accessible and readily available to our customers.

The following are trademarks of Crane Composites, Inc. or a related company: Glasbord, Kemlite, Kemply, Surfaseal, Sanigrid, Silhouette Trims and Varietex.

cranelites.com | 1.800.435.0080 | sales@cranecomposites.com