

Technical Data Sheet

IB Acrylic FG

Brushable Acrylic Flashing Grade

IB Roof Systems®

Product Description



IB Acrylic FG is a high quality, single component, 100% acrylic flashing grade elastomeric coating that is designed to seal joints, seams on various roof types as well as fasteners on metal roofs.

Packaging

2-Gallon Pail and 5-Gallon Pail

Features and Benefits

- Can be caulked or troweled
- Excellent adhesion to a variety of substrates
- Excellent sag resistance
- Initial skin typically forms within an hour
- Low VOC compliant, less than 50 grams/liter
- Colors: White

Product Use

IB Acrylic FG is used as a flashing material to fill holes, cracks, joints and provide a long-lasting seal between most common construction materials. Ideal as a sealant on fasteners, seams, and penetrations on metal roofs in conjunction with 3 course application and is compatible with IB Acrylic base coats and finish coats. Can be applied over most substrate types.

Approvals

- Meets California SCAQMD requirements for VOCs

Ordering Information

IB Acrylic FG

Item Code	Description	Size	Class
9-ACFGW2	IB Acrylic FG White	2-gal	55
9-ACFGW5	IB Acrylic FG White	5-gal	55

Coverage Rate (approximate)

Approximate coverage rate is 4 gallons per 100 square feet (64 wet mils) @ an approximate thickness of 1/16" per pass depending on substrate type and roughness. For 3-coursing applications, two passes at 4.0 per 100 square feet (64 wet mils) per pass are needed.

Approximate coverage for 2" seam is 100 - 150 lineal feet per gallon per pass. Yield (1 gal/100 sq. ft.) = 16 wet mils/11 dry mils.

See recommendations for specific applications. Yields will vary depending upon system selected and the smoothness and absorbency of substrate.

Temperature Precautions

Temperatures affect viscosity, pumping and flow characteristics of the IB Acrylic FG. Heat increases and cold decreases the flow-ability. For best results, apply when the temperatures are above 60°F (15.6°C). Do not apply this product below 40°F (4°C). Upper temperature restriction (both air and substrate) for application of Acrylic FG is 120°F (49°C). If the substrate temperature exceeds 120°F (49°C), IB Acrylic FG should be applied during cooler periods of the day. No product should be applied unless surface temperature is above 40°F (4°C) minimum and 120°F (49°C) maximum.

Relative Humidity Precautions

Acrylic products are moisture sensitive. Do not apply this product when it is raining or if the threat of rain exists. Do not apply if rain is expected within 8 hours. Do not apply when the dew point is less than 5°F below the ambient temperature. Do not apply in conditions when the relative humidity exceeds 90%.

IB Acrylic FG

Physical Properties

Property	Test Method	Typical Value
% Solids by Volume	D2697	70% ± 2%
% Solids by Weight	D1644	74% ± 2%
Elongation	D2370	200% (initial)
Tensile Strength	D2370	350 psi (initial)
Low Temperature Flexibility, 1" mandrel, 1000 hours weathering	D522	Pass @ -25°F (-3.9°C)
Weight per Gallon	-	12.5 lbs./gal
VOC Content	EPA M24	<50 g/L
Cure time to coat window	-	2-3 hours
Cure Time @ 75°F (24°C)	-	7 days @ 50% humidity
Shelf Life: (unopened container stored at temperatures between 60°F and 90°F.	-	12 months from date of manufacture.

Application Guidelines

Application Equipment

Caulk: May be used in standard caulking guns

Industrial Pump: May be used in industrial pump and flow gun equipment with an approximate 30:1 ratio.

Trowel: No reduction necessary. Use straight edge or notched trowel. Do not over-trowel as material may start to pull.

Mixing

No thinning or reduction is necessary.

Surface Preparation

The substrate must be free of areas of ponding water, ice, snow, rain or dew, dirt, dust, grease, oil, loose granules, gravel, peeling coating and other foreign contaminants, or other debris that would inhibit adhesion of coating. If such conditions exist, the roof surfaces should be properly prepared and cleaned using the specified IB cleaning solution in order to receive the new coating system.

Mildew must be removed by power washing and scrubbing with a bleach solution of 1 part bleach and 2 parts water. Repeat if necessary. Rinse thoroughly and allow it to dry.

Most substrates require a compatible primer to be applied prior to the application of the coating. Clean new metal with Acetone to remove lacquer, oils, or coatings that could inhibit bonding of caulk. Contact IBRS Technical Department at 800-426-1626 for recommendations regarding specific applications.

Verify that all drains, fasteners, flashings, penetrations, perimeter edges, seams, scuppers, and other areas of intended application are secure and watertight. Note: Any condition that is not secure or watertight will require a 3-course application of IB Acrylic FG and IB Fabric.

Storage

Always store in cool and dry location. For best results, keep product stored above 60°F (15.6°C) or below 85°F (29°C). Do not store in direct sunlight or in temperatures above 95°F (35°C). Keep from freezing. Allow material to set at room temperature for 24 hours prior to use.

Application

Adhesion Test: Adhesion of the IB Acrylic FG Coating should always be checked. Apply 6" – 12" square of the coating and embed a piece of 1" wide IB Fabric into the coating, leaving a minimum 2" tail of the fabric exposed. Allow 2-3 days for the coating to cure and perform a 90° pull test of the fabric tail to test adhesion of the coating to the substrate.

Fasteners: Tighten or replace all fasteners as necessary. In no case shall joints of seams be allowed to separate greater than 1/16 inch. Use stitch screws on any large gaps over overlaps that cause greater than 1/16 inch opening. Apply IB Acrylic FG over the fastener to completely encapsulate the screw (approximately a 1-inch circle). Allow to dry for least 4 hours before proceeding with coating application.

Joints: In joints of ¼" to ½", the sealant depth at midpoint should be ¼". In joints of ½" to 1", the depth at midpoint should be ¼" to ½". The sealant depth can be controlled in deeper joints by applying a foam backer rod or polyethylene strip.

Seams: For seams and flashings apply IB Acrylic FG at the rate of 4.0 gallons per 100 sq. ft. (64 wet mils) per pass over the seam and feather in with a chip brush or trowel to an approximate width of 3 - 4" wide. Seal all penetrations etc. by applying IB Acrylic FG in a 2" wide bead over the seam and feather in with a chip brush or trowel to an approximate width of 3" wide. For 3-course application, apply two passes at 64 wet mils per pass to achieve a minimum 85 dry mil thickness over the treatment area.

Drying: Allow to dry for least 2-3 hours before proceeding with coating application.

Limitations

- Refer to Substrate Preparation guidelines for proper preparation, cleaning and primer roof with any applicable bond enhancing primer before commencing with application of IB Acrylic Coatings.
- This product cures by water evaporation only. Do not attempt to apply product when weather conditions are not conducive to drying. Refer to temperature and relative humidity precautions.
- Application of materials with power spray equipment will require some masking and erection of wind screens to prevent overspray occurrences and damage to surrounding structures, surfaces, vehicles, property, or persons.
- Service temperature range is -35°F (-37.2°C) to 180°F (82.2°C).
- Substrate temperature range for application is 40°F (4°C) – 120°F (48.9°C).

Clean Up

Clean up spills and spatters immediately with water. Clean all tools with followed by propylene glycol to prevent unit from rusting.

Disposal

Empty containers must be disposed of in an approved landfill in accordance with local, state, and federal regulations.

Caution

Avoid prolonged and repeated contact with skin. Do not take internally. Avoid eye contact as this material has adhesive properties. Refer to product Safety Data Sheet (SDS) for additional information pertaining to this product and prior to use or handling.

Disclaimer

All values given are approximate and are subject to change without notice. There is no implied or express warranty given through these values or statements, nor are there any assertions that the product purchased has been individually tested to conform to these standards. Testing is performed on a random basis by "in-house" and independent "third party" evaluation for the purpose of classification and or approval. Acceptance, purchase, and selection of these products are the sole responsibility of the buyer or buyer's representative. We assume no responsibility for coverage, performance or injuries resulting from use. Liability, if any, is limited to replacement of the product only.

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