

Technical Data Sheet

IB Acrylic FG

Brushable Acrylic Flashing Grade

IB Roof Systems®

Product Description



IB Acrylic FG is a high quality, plasticizer free, single component, 100% acrylic brushable flashing grade elastomeric coating that is designed to seal all seams and fasteners on metal roofs.

Packaging

2-Gallon Pail, and 5-Gallon Pail

Features and Benefits

- Plasticizer free
- Brush-able/trowel-able
- No mixing required (up to 6 months)
- Excellent adhesion to a variety of substrates
- Excellent sag resistance
- Unique formulation allows breathable film while providing a watertight membrane and permitting trapped moisture to escape
- In most cases, eliminates need for 3 course application of fabric reinforcement of seams and flashings.
- Low VOC compliant, less than 50 grams/liter
- Colors: Gray or White

Product Use

IB Acrylic FG is used as a flashing material for most substrates and 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-AFGG2	IB Acrylic FG Gray	2-gal	55
9-AFGW2	IB Acrylic FG White	2-gal	55
9-AFGG	IB Acrylic FG Gray	5-gal	55
9-AFGW	IB Acrylic FG White	5-gal	55

Coverage Rate (approximate)

Approximate coverage rate is 3.0 gallons per 100 square feet (48 wet mils) per pass depending on substrate type and roughness.

Yield (1 gal/100 sq. ft.) = 16 wet mils/10 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 (4.4°C). May be applied to damp surfaces and is rain tolerant during cure. 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 (4.4°C) minimum and 120°F (49°C) maximum.

Storage

Always store in cool and dry location. For best results, keep product stored above 60°F (15.6°C) or below 90°F (32°C). Do not store in direct

sunlight or in temperatures. Keep from freezing. Allow material to set at room temperature for 24 hours prior to use.

Physical Properties

Property	Test Method	Typical Value
% Solids by Volume	D2697	64% ± 2%
% Solids by Volume	D1644	74% ± 2%
Elongation	D2370	500% (initial)
Tensile Strength	D2370	100 psi (initial)
Low Temperature Flexibility	D822	Pass @ -20°F (-28.9°C)
Permeance	D1653	7.0
Weight per Gallon	-	11.7 lbs./gal
VOC Content	EPA M24	<50 g/L
Dry Time @ 75°F (24°C)	-	4-6 hours @ 50% humidity
Recoat Window	-	> 6 hours to recoat
Cure Time	-	24 hours
Shelf Life: (unopened container stored at temperatures between 60°F and 90°F.	-	12 months from date of manufacture.

Application Guidelines

Application Equipment

Brush: No reduction necessary. Use synthetic filament brushes. Do not over-brush as material may start to pull.

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 to dry.

Most substrates require a compatible primer to be applied prior to the application of the coating. 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.

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. Stitch screw 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.

Seams: Seal all field seams and flashings by applying IB Acrylic FG at the rate of 1.5 gallons per 100 sq. ft. (24 wet mils) over the seam and feather in with a chip brush to an approximate width of 6" wide. Embed 4" wide IB Fabric into the wet coating and brush or roll to be wrinkle free. Apply another layer of IB Acrylic FG over the IB Fabric at the rate of 1.5 gallons per 100 sq. ft. (24 wet mils) to completely encapsulate the fabric. The coating must be feathered at least 1" beyond each side of the fabric to allow water to flow over the seam. Seal all penetrations etc. by applying IB Acrylic FG in a 2" wide bead over the seam and feather in with a chip brush to an approximate width of 3" wide. Achieve a smooth 24 wet mil application over the treatment area. Allow to dry for least 24 hours before proceeding with coating application.

Drying: Allow to dry for least 24 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 over spray occurrences and damage to surrounding structures, surfaces, vehicles, property, or persons.

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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