

Technical Data Sheet

IB Sealer

Moisture Cure Seam & Repair Sealant

IB Roof Systems®

Product Description



IB Sealer is a high performance, single component, 97% solids moisture-curing sealant/adhesive that is designed to seal all seams, fasteners, ridge caps, flashings, and penetrations on all types of roof substrates in conjunction with IB Acrylic or IB Silicone Coatings.

Packaging

10 oz. Cartridge & 2.5-Gallon Pail

Features and Benefits

- 97% solids
- Permanently Flexible
- Excellent adhesion, highly elastic, and high strength
- Bonds to damp surfaces and is an excellent emergency repair product
- In most cases, eliminates need for 3 course application of fabric reinforcement of seams and flashings.
- Can be applied to most surfaces without priming including galvanized steel, aluminum, concrete, glass, vinyl, Galvalume®, Galvalume-PLUS®, Acrylume®, Zinalume®, Kynar 500®, ABS, and fiberglass.
- Non staining and mildew resistant
- UV resistant
- Low VOC compliant
- Colors: Gray or White

Product Use

IB Sealer is used as a general repair sealant and for seams, fasteners, ridge caps, flashings, and penetrations in lieu of 3 course application (except in seam repair conditions). Will also seal polyurethane foam, wood, and concrete and is compatible with IB Acrylic base coats and finish coats, IB Silicone Coatings. Can be applied over most substrate types such as polyurethane foam, wood, and concrete.

Ordering Information

IB Sealer

Item Code	Description	Size	Class
9-SEALERG10	IB Sealer Gray	10 fl. oz. tube	55
9-SEALERW10	IB Sealer White	10 fl. oz. tube	55
9-SEALERG25	IB Sealer Gray	2.5-gal	55
9-SEALERW25	IB Sealer White	2.5-gal	55

Coverage Rate (approximate)

Unit Size	Fastener head encapsulation	Seams: 85 wet mils @ 2"	Seams: 85 wet mils @ 3"
10 oz. tube	95 per unit	12-15 ln. ft.	9-10 ln. ft.
2.5 Gallon	2,400 per unit	325-375 ln. ft.	225-245 ln. ft.

Approximate application rate is 3 gallons per 100 square feet (48 wet mils) @ an approximate 1/2" - 3/4" wide bead per pass depending on substrate type and roughness. 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 Sealer. Heat increases and cold decreases the flow-ability. For best results, apply when the temperatures are above 50°F (10°C). Do not apply this product below 32°F (0°C). May be applied to damp surfaces and is rain tolerant during cure. Upper temperature restriction (both air and substrate) for application of IB Sealer is 200°F (93.3°C). If the substrate temperature exceeds 200°F (93.3°C), IB Sealer should be applied during cooler periods of the day. No product should be applied

unless surface temperature is above 32°F (0°C) minimum and 200°F (93.3°C) maximum.

Physical Properties

Property	Test Method	Typical Value
% Solids by Weight	D2369	97% ± 3%
Elongation	D2370	300% (initial)
Tensile Strength	D2370	200 psi (initial)
Low Temperature Flexibility	D522	Pass @ -20°F (-28.9°C)
Density, lb. /gal		12.88 lb./gal
Flash point		115°F (68.3°C)
Slump	-	0.1" max
Shore A Hardness	C661	25-35
VOC Content	EPA M24	<50 g/L
Skin Time, 1/2" bead @ 75°F (24°C)	-	30 minutes @ 50% humidity
Dry Time @ 75°F (24°C)	-	6-8 hours @ 50% humidity
Cure Time	-	24 hours
Shelf Life: (unopened container stored at temperatures between 60°F and 95°F.	-	6 months from date of manufacture.

Approvals

- TT-S-00230C (Type III) Class A
- ASTM C920 Type S, Grade NS, Class 25, Use NT, A, M, G, and O
- AAMA 805.2 Group C
- AAMA 803.3
- AAMA 808.3

Application Guidelines

Application Equipment

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

Cartridge Gun Dispenser: No reduction necessary. Use compatible power operated cartridge dispenser to apply product to intended substrate.

Mixing

No thinning or reduction is necessary. Do not dilute.

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. Contact IBRS Technical Department at 800-426-1626 for recommendations regarding specific applications.

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 over 95°F (35°C). Keep from freezing. Allow material to set at room temperature for 24 hours prior to use.

Application

It is recommended to pretest for adhesion to eliminate potential field problems by testing IB Sealer on which it will be applied to the substrate to determine the proper surface preparation method and necessary cleaning requirements prior to application.

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 Sealer over the fastener to completely encapsulate the screw. Allow to dry for least 24 hours before proceeding with coating application.

Metal Panel Seams: Seal all horizontal and vertical seams, etc. by applying IB Sealer in a 1/2" - 3/4" wide bead over the seam and feather in with a stiff chip brush or notched spatula to an approximate width of 2" wide. Achieve a smooth 45 dry mil application over the treatment area. Allow to dry for least 30 minutes to 1 hour before proceeding with coating application.

Metal Panel Roofs: Seal all flashings, penetrations, ridge caps, etc. by applying IB Sealer in a 3/4" - 1" wide bead over the seam and feather in with a stiff chip brush or notched spatula to an approximate width of 3" wide. Achieve a smooth 45 dry mil application over the treatment area. Allow to dry for least 24 hours before proceeding with coating application.

Aged Modified Bitumen: Seal all field seams by applying IB Sealer in a 3/4" - 1" wide bead over the seam and feather in with a chip brush to an approximate width of 3" wide. Achieve a smooth 45 wet mil application over the treatment area. Seal all flashings, penetrations, ridge caps, etc. by applying IB Sealer in a 3/4" - 1" wide bead over the seam and feather in with a chip brush to an approximate width of 3" wide. Achieve a smooth 55 dry mil application over the treatment area. Allow to dry for least 24 hours before proceeding with coating application.

Aged Single Ply: Seal all field seams by applying IB Sealer in a 1/2" - 3/4" wide bead over the seam and feather in with a chip brush to an approximate width of 2" wide. Achieve a smooth 45 wet mil application over the treatment area. Seal all flashings, penetrations, ridge caps, etc. by applying IB Sealer in a 1/2" - 3/4" wide bead over the seam and feather in with a chip brush to an approximate width of 2" wide. Achieve a smooth 45 dry 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. Note: Allow to cure for 48 to 72 hours before applying IB Silicone Coating over IB Sealer to avoid yellowing of Silicone caused by reaction.

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.
- Allow to cure for 48 to 72 hours before applying IB Silicone Coating over IB Sealer to avoid yellowing of Silicone or Urethane caused by reaction.
- Not recommended on architectural finishes without pretesting adhesion.
- 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 a dry towel. Flush all hoses, equipment, and tools with containing uncured material by flushing with VM&P, naphtha, or mineral spirits followed by acetone 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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