

Technical Data Sheet

IB LEVEL IT

Quick Setting 2-Part Leveling Compound

IB Roof Systems®

Product Description



IB LEVEL IT is a fast curing, plasticizer free, two component, 100% solids self-leveling compound designed to eliminate ponded areas on all types of low-slope roofs.

Packaging

5-Gallon Pail: Component A = 1 Gallon, Component B = 4 Gallons

Features and Benefits

- Plasticizer free
- Two component self-leveling compound
- Easy mixing formula
- 100% solids by volume
- Fast curing, can be coated over same day
- Environmentally friendly
- Formulated from renewable components
- Exceptional adhesion to a variety of weathered substrates
- VOC free
- Weighs less than water
- Color: Gray

Product Use

IB LEVEL IT is used as a self-leveling coating treatment to eliminate ponded areas on roofs. Can be applied over most properly prepared roof substrate types. Compatible with IB Acrylic base coats and finish coats as well as IB Silicone Coatings. Can be coated over in just 1 hour (depending on thickness applied).

Approvals

- Meets California SCAQMD requirements for VOCs

Ordering Information

IB LEVEL IT

Item Code	Description	Size	Class
9-LEVELG	IB LEVEL IT Gray	5-gal	55

Application Properties

Coverage Rate (approximate)

Yield (1 gal to 100 sq ft)	16 dry mils
Thickness	Yield (Sq. Ft.)
1/8"	64 Sq. Ft. / 5 gal mixed
1/4"	32 Sq. Ft. / 5 gal mixed
1/2"	16 Sq. Ft. / 5 gal mixed
1"	8 Sq. Ft. / 5 gal mixed

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

Physical Properties

Property	Test Method	Typical Value
% Solids by Volume	D1653	100% ± 2%
% Solids by Weight	D1644	100% ± 2%
Viscosity (Component A)		200 ± 50 mPa.s
Viscosity (Component B)		2500 ± 50 mPa.s
Tensile Strength	D638	1000 psi (initial)
Adhesion (to Concrete)		300 psi
Hardness (Shore A)	D2240	60 ± 5
Permeance	E96	0.02 Perms
Weight per Gallon	-	7.1 lbs./gal
VOC Content	EPA M24	0 g/L
Gel Time (75°F)	-	30 mins @ 50% humidity
Tack Free Time (75°F)		+60 min
Pot Life (75°F)	-	<30 min
Post Cure	-	24 - 48 hours
Shelf Life: (unopened container stored at temperatures between 60°F and 90°F)	-	12 months from date of manufacture.

Temperature Precautions

Do not apply this product below 50°F (10°C) or in weather conditions where the temperature will drop below 40°F (4.4°C) during the curing cycle. Upper temperature restriction (both air and substrate) for application of IB Coating products is 120°F (49°C). If the substrate temperature exceeds 120°F (49°C), IB Coating products should be applied during cooler periods of the day. No coating should be applied unless surface temperature is 50°F (10°C) minimum and 120°F (49°C) maximum.

Relative Humidity Precautions

Do not apply this product when it is raining or if the threat of rain exists. 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%.

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.

Application Guidelines

Application Equipment

- Personal respiratory equipment and eye protection is recommended during mixing
- ¾ horsepower or larger electric or air operated mixer with a blade capable of uniformly mixing container to properly mix parts A & B
- Squeegee or trowel
- Chopped fibers if thickening is required (not included)

Squeegee: No reduction necessary. Pour into place. Spread to desired thickness using squeegee. Do not over-spread as material may start to pull.

Trowel: No reduction necessary. Pour into place. Spread to desired thickness using trowel. Do not over-trowel as material may start to pull.

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Mixing Instructions

No thinning or reduction is necessary. **Never mix by hand.** Use a 3" minimum diameter mixing blade for 5-gal pails.

1. Stir B component with drill mixer to achieve surface movement for 2 minutes.
2. While continuing to mix add the entire 1 gallon of the A component and continue mixing until completely mixed in, this will take approximately three to five minutes (depending on ambient temperature).
3. Pour the mixture onto the area to be leveled and squeegee into desired area as necessary.
4. Apply additional prepared buckets of IB LEVEL IT as required to achieve desired results.
5. Pot life will be approximately 30 minutes. (Note: Pot life will be shortened if ambient temperatures exceed 75°F (24°C)).
6. Continue with roofing system installation once material is tack free to the touch (Typically within 1 hour).

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.

Some substrates may require a bond enhancing primer before applying the IB LEVEL IT.

Application

Concrete / Masonry Primer: Allow fresh concrete/masonry to cure a minimum of 30 days. For best results, prime substrate with IB Concrete Sealer according to applicable rates per product technical data sheet.

Metal Primer: Rusted metal must be cleaned with a wire brush and primed with IB Metal Primer according to applicable rates per product technical data sheet.

Other: For new roof surfaces and substrates, contact IBRS Technical Department at 800-426-1626 for recommendations regarding specific applications.

Instructions: Apply IB LEVEL IT over the properly prepared substrate, compatible base coat or primer by pouring the mixture onto the area to be leveled and squeegee or trowel into desired area as necessary. Apply additional prepared IB LEVEL IT as required to achieve desired results. Note: Pot life will be approximately 30 minutes or less if ambient temperatures exceed 75°F (24°C). Allow to dry before continuing with roofing system installation. Material should be tack free to the touch, within 1 hour after application. **Note:** Tack free is not walkable and is not ready to receive foot traffic.

Limitations

- Refer to Substrate Preparation guidelines for proper preparation, cleaning and priming roof with any applicable bond enhancing primer before commencing with application.
- Do not attempt to apply product when weather conditions are not conducive to drying. Refer to temperature and relative humidity precautions.
- Do not attempt to mix this two-component product by hand. Always use proper mixing equipment and uniformly mix product prior to use.
- Once mixed, this product has a short pot life window. Do not attempt to apply product after it has set up in the bucket.

Safe Practices

This product is designed for professional installation. Before working with this product, you must read and become familiar with the available information on its risks, proper use and handling. Information sources include but are not limited to the product Safety Data Sheet and product labels. More resources are available at www.ibroof.com or by contacting IBRS Technical Department directly.

Warning: Individuals with chronic respiratory problems or prior respiratory reactions to such materials should not be exposed to vapors. All personnel entering the application area, including the applicator must wear suitable respirators. Eye protection is recommended.

Clean Up

Scrap or mechanically remove any residual product. Clean equipment, and tools with mineral spirits.

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

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