

Technical Information Sheet

Image Coming Soon

Modular Water Based Bonding Adhesive-WBA 3781

| Item Description | Item Number |
|----------------------------|-------------|
| 330 Gallon (1249.2 L) Tote | W563587039 |

Description

Elevate Modular Water Based Bonding Adhesive WBA-3781 is a contact adhesive designed for bonding RubberGard™ EPDM and FormFlash™ to wood, metal, masonry, and acceptable substrates for modular installations.

Product Preparation

1. Bonding surfaces must be clean, dry, smooth, free of sharp fins and edges, loose and foreign materials, oil and grease, and any other contaminants.
2. Stir adhesive thoroughly before and during use.
3. Use only when temperatures will not fall below freezing at any time 48 hours after mating of EPDM to substrate.
4. Contact a Regional Technical Coordinator at 1-800-428-4511 for specific application information.

Method of Application

Standard Application Method – Two-Sided Contact Cement Application

1. Using a 6 mm to 12 mm nap x 228 mm (1/4" to 1/2" nap x 9") wide solvent resistant paint roller, apply an even coat of WBA-3781 to each bonding substrate (membrane and substrate), simultaneously avoiding globs and puddles of adhesive.
2. Apply at a rate of approximately 2.9-4.9 m²/L (120-200 ft²/gal)/substrate, which results in 1.5-2.5 m²/L (60-100 ft²/gal) coverage when mated.
3. Allow to dry until pushing on the adhesive at an angle with a clean dry finger reveals no movement within the adhesive layer, and that the adhesive layer is solid. If this “push test” reveals movement within the adhesive layer, the adhesive is not ready to be mated. The adhesive will change from a white color to translucent as it evaporates. Drying time will vary depending on ambient air conditions. It is recommended that the application temperature be above 4.4 °C (40 °F). Do not over-dry.
4. Roll the membrane into the substrate. Ensure a strong bond by compressing the EPDM to the substrate with a stiff push broom using heavy mating pressure.

Method of Application Continued

Original Application Method

Wet-mated application for horizontal plywood and oriented strand board (OSB) substrates only (indoor application only).

1. Using a 6 mm to 12 mm nap x 228 mm (1/4" to 1/2" nap x 9") wide solvent resistant paint roller, apply WBA-3781 over OSB or plywood, taking care to completely cover the substrate evenly to avoid globs and puddles of adhesive.
2. Mate the EPDM to the coated OSB or plywood immediately by rolling the membrane in place over the substrate.
3. To ensure proper contact, compress the bonded portion of the sheet to the substrate with a stiff push broom.

CAUTION: This method is ONLY applicable when EPDM membrane is bonded indoors and not exposed to wind forces AND freezing temperatures for 48 hours (minimum).

Storage

- Store in original unopened containers at temperatures between 60 °F (16 °C) and 80 °F (27 °C) until ready for use. Do not allow to freeze.
- For optimum results, rotate your stock to ensure stored material has not exceeded the shelf life of one year.

Shelf Life

- Shelf life of one year can be expected if stored in original sealed container at temperatures between 60 °F (16 °C) and 80 °F (27 °C). If exposed to lower temperatures, restore to room temperature prior to use.
- Shelf life will be shortened if exposed to elevated temperatures. Rotate stock to insure stored material will not go beyond the shelf life of one year.

Coverage

- Standard Application Method Coverage: 1.5-2.5 m²/L (60-100 ft²/gal) (nominal) – includes both substrates
- Optional Wet-Mating Method Coverage: 2.5 m²/L (100 ft²/gal) (nominal)

Precautions

- Refer to Safety Data Sheets (SDS) for additional safety information.
- Keep out of reach of children.
- Thinning is not permitted and will affect the adhesive performance.
- Do not use for splices.
- Stir thoroughly before and during use.
- Keep container closed when not in use.
- Use only in well ventilated areas.
- For professional use only.
- Recommended cleaner is water (while adhesive is fluid).
- Use only when temperatures will not fall below freezing at any time 48 hours after mating.

LEED® Information

Post-Consumer Recycled Content: 0%
 Post Industrial Recycled Content: 0%
 Manufacturing Location: Greenville, SC



NOTE: LEED® is a registered trademark of the U.S. Green Building Council

| Typical Properties | |
|--------------------|-----------------------------------------------------------------|
| Properties | Minimum Performance |
| Base | Latex |
| Color | White (when first applied); Translucent (when water evaporates) |
| Solids | 49% |
| Viscosity | 3300-3800 Centipoise, R.V.F. Brookfield, #3 Spindle @ 10 RPM |
| Weight | 8.3 lb/gal (1.0 kg/L) (nominal) |
| Specified Gravity | 1.0 (nominal) |
| V.O.C. Content | 17 g/L |

Please contact Holcim Technical Services at 800-428-4511 for further information.

This sheet is meant to highlight Elevate products and specifications and is subject to change without notice. Holcim takes responsibility for furnishing quality materials that meet published Elevate product specifications or other technical documents, subject to normal manufacturing tolerances. Neither Holcim nor its representatives practice architecture. Holcim offers no opinion on and expressly refuses any responsibility for the soundness of any structure. Holcim accepts no liability for structural failure or resultant damages. Consult a competent structural engineer prior to installation if the structural soundness or structural ability to properly support a planned installation is in question. No Holcim representative is authorized to vary this disclaimer.

Firestone, the brand of premier roofing, wall, and lining systems you know and trust, will be coming to you under a new name: Elevate. During our transition, products carrying the brand name **Firestone** will change to **Elevate** on product labels and packaging, Technical Information Sheets, and elsewhere. Only the brand name is changing. Our products remain the same.

For further information on our brand transition to Elevate, scan the code below with your smartphone, or visit our website: www.holcimelevate.com

