ONDEK OD1010

LOW APPLICATION TEMPERATURE PVC MEMBRANE & DECKING ADHESIVE

Product Description

ONDEK OD1010 is a flammable polychloroprene contact adhesive designed to bond fleece and fabric-backed PVC membranes to exterior-grade plywood, pressure treated lumber and dry, cured concrete at lower working temperatures. Resists gelling, dries quickly and maintains aggressive initial tack at low temperatures..

Benefits

- ✓ Gel resistant formulation remains liquid to -5°C/23°F
- ✓ Brush, roller or spray applied
- ✓ Fast drying with a long open time
- ✓ Aggressive tack at temperatures between 10°C and 35°C ensures immediate high strength bonds
- ✓ Cures to form a permanent bond resistant to:
  - temperatures between -29°C & 49°C
  - water, oil, grease

Suggested Uses

- Bonding fleece and fabric-backed PVC membranes to decks, patios, stairs, pool decks, etc. for residential and light commercial installations.
- **Do Not** use with unbacked, plasticized vinyls.
- **Do Not** apply to EPS/XPS or Styrofoam™.
- **Do Not** use this adhesive on copper or its alloys.

Physical Properties

Base:	Polychloroprene rubber
Solids Content:	18.5 +/- 1%
Viscosity:	180 – 220 cP
Specific Gravity:	0.80
Weight/Gal:	6.67 lb
Coverage/Gal:	310 ft² @ 1.8 dry grams/ft²; 155 ft² completed bond
Open Time:	60 minutes
Color:	Natural (4560)
VHAP:	0.78 lb/lb of solids
VOC:	4.80 lb/gal (576 g/L); less water and exempt solvents

Handling & Storage

- 12 month shelf life from date of manufacture.
- Rotate stock to use the oldest material first.
- Does Not Freeze; if chilled below 10°C/50°F - agitate well after first warming to 22°C/72°F.
- Store between 10°C/50°F and 32°C/90°F.
- Keep container tightly closed and stored off of the floor when not in use.
- Avoid exposure of containers to direct sunlight.
- **Do Not** apply or make bonds at temperatures below 10°C/50°F
- For best results use above 15°C/59°F.

Packaging

- 5 US Gallon Pails

Clean-Up

- Use HELMITIN SOLVENT 665 or CITRUS CLEANER
- **Never** use lacquer thinner to thin adhesive or clean equipment.

ONDEK VINYL WORX
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*SEE SDS FOR REGULATORY INFORMATION

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APPLICATION GUIDELINES

Conditioning of Materials

The installation area, PVC membrane and adhesive must be acclimated at a temperature between 10°C/50°F and 35°C/95°F for 48 hours prior to, during and after installation. Optimum conditions are approximately 22°C/72°F and relative humidity of 45% - 55%. Provisions should be made for the circulation of air around the components. Stir well before using.

Adhesive Application

1. ONDEK OD1010 can be used on porous and non-porous surfaces free of moisture. Surface to be covered must be dry, clean and smooth. Any foreign materials present such as paint, grease, oil, pen markings, adhesive residues, etc. that may prevent a proper bond or migrate to the surface causing a stain must be removed. Wipe non-porous surfaces with SOLVENT 665 to remove any contaminants.
2. Position the membrane without adhesive. Fold back an area that can be glued in 5-20 minutes.
3. Using a brush or a short nap, solvent-resistant roller, apply the adhesive evenly to both bonding surfaces at a coating weight of 3.0 dry grams per ft² to achieve 100% coverage.
4. Proper adhesive coating is indicated by a uniform glossy sheen on the adhesive when it is dry. Allow the adhesive to dry properly before bonding.
   i. To check for dryness press the back of your fingers into the adhesive and lift up; any adhesive transfer or legginess indicates that more dry time is required.
   ii. **Do Not** use the palm of your hand to check for dryness, it is often dirty and may leave oily residues which will interfere with bonding.
   iii. Heavy areas on the adhesive may form a skin on the surface of the adhesive. Press the back of your fingers into the adhesive and twist to tear the skin open. Allow more dry time.
   iv. The adhesive is ready for bonding when it feels tacky, but there is no transfer or legginess.
   v. Drying time will vary depending on ambient temperature, humidity and coat weight. Drying time can be reduced by using air movement.
5. Apply two coats of ONDEK OD1010 to porous materials such as plywood and edges. Allow the first coat to dry thoroughly before applying the second coat. (It will act as a sealer) Allow the second coat to dry completely before bonding. This ensures that the adhesive does not soak in below the board surface and that there is enough adhesive on the surface to achieve a strong, permanent bond. ***A dull appearance to the dry adhesive surface indicates that an insufficient amount of adhesive has been applied.***
6. Bonds can be made as soon as the adhesive is dry. Bonds made any time during the 60 minute open time will be as strong as those made immediately after drying.
7. Position the pieces carefully to avoid wrinkles and trapping air bubbles as a strong, irreversible bond is made instantly upon contact.
8. Apply uniform pressure to ensure proper fusion of the adhesive surfaces. Apply the maximum amount of pressure possible without damaging the substrates. **Minimum recommended pressure is 25 psi.** Use of a 75lb flooring roller to exert pressure over entire covered surface, working from the center out to the edges is suggested. Roll in two directions at 90° angles to each other to ensure 100% contact of the bonding surfaces.
9. ***RUBBER MALLETS, BLOCKS OF WOOD, ETC.*** may not apply sufficient pressure to achieve good fusion of the adhesive surfaces and are not recommended.
10. Limit foot traffic for 72 hours to allow curing.

Note

- A drying issue called "***Blushing***" often occurs under extremely humid conditions. "***Blushing***" occurs when rapidly evaporating solvents cause the temperature of the adhesive surface to drop below dew point. Condensation then forms on the surface of the adhesive and acts as a barrier to further drying; it also interferes with the fusion of the two glued surfaces and prevents them from bonding. All moisture ***MUST*** be completely evaporated before bonding. Moderate air movement (shop fan) is the preferred method to speed drying while reducing or eliminating "Blushing" issues. Bonds can be made once all moisture and solvents have completely evaporated.
- A failed contact adhesive bond with a shiny appearance to the surface of the adhesive is an indication that the recommended open time was exceeded and/or that inadequate laminating pressure was applied during assembly.
- **Do Not Exceed the Recommended Open Time! Apply Sufficient Laminating Pressure!**
- **Do Not** use copper or its alloys to transfer or contain any contact adhesive.
- Thinning the adhesive is not recommended.

Warranty

Because Seller has no control over methods of product application or conditions of use, its product is warranted only to be made of standard commercial grade materials and in conformance with Seller's published specifications, if any. Any recommendations for the use of the product are based on tests or experience believed to be reliable and are furnished without compensation, and Seller does not guarantee the applicability or the accuracy of this information or the suitability of its product in any given situation. Buyer must make its own tests to determine the suitability of Seller's product for Buyer's particular use and Buyer assumes all risk and liability of use of Seller's product.

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