

Hydro-Shield 380 Adhesive

PRODUCT DESCRIPTION

Hydro-Shield 380 Adhesive is a water-dispersed latex waterproofing adhesive, specially formulated to work with Mer-Ko's Hydro-Shield 380 Waterproofing Membrane.

CHARACTERISTICS

The Hydro-Shield 380 Adhesive has a strong initial grab, long working time, excellent bond integrity, and unparalleled trowelability. Effectively bonds to properly prepared plywood, concrete, and other properly prepared surfaces.

CAUTIONS & LIMITATIONS

- Substrates must be structurally sound, clean, dry and free of dirt, dust, oil, grease or other contaminants at the time of material application.
- Intended for use with Hydro-Shield 380 Waterproofing Membrane.
- Not intended for use as a finished surface.
- Do not apply in damp weather or when rain is expected within 24 hours.
- Concrete substrates must have a minimum compressive strength of 3,000 psi tested by "point loading" technique.
- Designed for professional use.

COLOR

Off white creamy paste

PACKAGING

4 gallon (15.1 liter) pail

MIXING

Stir any liquid on the surface into the adhesive before use.

APPLICATION

Apply 1 coat of Hydro-Shield 380 Adhesive over the properly prepared horizontal substrate using a 3/32 inch notch trowel (adjust the notch trowel's depth as necessary to meet substrate conditions) ensuring complete coverage. While the material is still wet, install the Hydro-Shield 380 Waterproofing Membrane sheet; apply the adhesive/membrane layers in sections working across and off of the horizontal surface. When applicable, install a bead of Hydro-Shield 380 Seam Adhesive on the drain flange under the Hydro-Shield 380 Waterproofing Membrane and press the membrane into the sealant, overlapping all flashing devices and drains. Overlap membrane sheet edges a minimum of 3 inches (76mm). Use a weighted roller to bond Hydro-Shield 380 Waterproofing Membrane to the Hydro-Shield 380 Adhesive.

Bond and seal the membrane sheet perimeter terminations and overlaps using a minimum ¼ inch bead Hydro-Shield 380 Seam Adhesive.

Use a weighted roller to bond Hydro-Shield 380 Seam Adhesive to the Hydro-Shield 380 Waterproofing Membrane seams and terminations. Allow to dry a minimum 1 hour prior to flood testing. Allow to dry 24 hours at 70°F (21°C) 50% RH, prior to commencing with installation of underlayment.

TECHNICAL DATA

Coverage Rate	160 ft ² (14 m ²)/pail with 3/32" notch trowel
Working time is 70 minutes based on job conditions, substrates, temperature, and humidity.	
Odor	Mild Ammonia
Boiling Point	212°F
Flash point (Method)	> 200°F (Setaflash Closed Tester)
Vapor Pressure	N/K (mm Hg at 20°C)
Vapor Density	>1.0%
Volatile by Weight	41.0% (30 min, at 275°F)
Evaporation Rate	<1.0 WT/GAL (water=8.3): 9.25 lb
Solubility in Water	Miscible, Dispersible
WPG	9.16 lbs/gal
VOC	132 g/L calculated at 70°F (21°C), SCAQMD
pH	9.4

FIRST AID

EYE CONTACT

Flush eye with water for at least 15 minutes. Get medical attention promptly.

INHALATION

Remove to fresh air. If not breathing, give artificial respiration. If having difficulty breathing, give oxygen. Get immediate medical attention.

SKIN CONTACT

Wash affected area thoroughly with soap and water. Remove contaminated cloths and launder before reuse.

INGESTION

Do not induce vomiting. Get medical attention immediately.

FIRE

Unusual Fire and Explosion Hazards: Use foam, carbon dioxide, dry chemical, and/or halogenated agents. Closed containers in a fire may rupture due to pressure build-up; use water to cool containers to prevent this. Special Fire Fighting Procedures: Protect fire fighters from toxic products of combustion by wearing protective clothing and self-contained breathing apparatus with full face piece.

SPILL OR LEAK

Ventilate area of spill or release. Contain spill, preventing it from entering sewer lines or waterways. Scoop up product and place into container. Absorbent may be used to assist with the pick-up of material. Residual of product, while still wet, can be cleaned up with warm soapy water. Dispose of container and any unused contents in accordance with Federal, State, and Local Waste Disposal Regulations. Do not reuse container. Keep spilled products out of sewers, streams, and water systems.

Product Data Sheet

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STORAGE & HANDLING

- Store in an area suitable for combustible mixtures.
- Store at temperatures between 40°F and 100°F (4°C and 38°C).
- Do not store in direct sunlight.
- Do not allow uncured material to freeze.
- Ventilation: with adequate ventilation, respiratory equipment should not be needed.

Use natural cross-ventilation, local (mechanical) pick-up and/or general area (mechanical) ventilation to prevent an accumulation of solvent vapors, keeping in mind that the ventilation pattern must remove the heavier-than-air solvent vapors from the lower levels of the work space. The ventilation should be sufficient to keep the solvent vapor concentration below the TLV.

- Respiratory Protection: If adequate ventilation is not afforded, wear respiratory equipment approved for organic vapors.
- Always wear proper safety equipment, including particle mask, eye protection and gloves when mixing and/or applying these products.
- Clean-up wet adhesive with cloth dampened with soapy water prior to drying.

SHELF LIFE

The shelf life is one (1) year from the date of manufacture in the original, unopened container when properly stored.

WARRANTY

Limited manufacturer's defect warranty. Contact Mer-Ko Technical Service Department for specific warranty information or www.parexmer-ko.com

Any recommendation or suggestion relating to the use of MER-KO products made via current technical literature, marketing materials, technical application guides, specifications, and the like, or in response to specific inquiry or otherwise, is based on data believed to be reliable. However, the products and information are intended for use by Buyers having requisite skill and know-how in the industry. Therefore, it is the responsibility of the Buyer to satisfy the necessary requirements of suitability of the products for its own particular use, and it shall be deemed that Buyer has done so, at its sole discretion and risk. Variation in environment, changes in procedures of use, or extrapolation of data may cause unsatisfactory results. Mer-Ko believes the information contained herein is true and accurate as of the date of publication. Information contained here is for evaluation only. Mer-Ko reserves the right to modify and/or change products or literature at any time and without prior notice.

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