



Hydrotech® HydroSeal Primer-Metal

formerly known as HydroSeal Primer-Metal

GENERAL DESCRIPTION

Hydrotech® HydroSeal Primer-Metal is a high performance solvent-borne polymer-based 1-component primer.

BASIC USE

Hydrotech® HydroSeal Primer-Metal is used as a coupling agent and primer for HydroSeal Resin applied over various metal substrates.

APPLICATION

- The product can be applied at substrate and ambient temperatures between 37°F (3°C) and 95°F (35°C).
- All substrates must be clean, dry, free of oil, grease, foreign material such as dirt, ice, snow, water or any other condition that would be detrimental to adhesion of the primer to the substrate.

Note: Galvanized and zinc rich metals are typically passivated or coated with oil requiring special preparation. The passivator must be completely removed by mechanical abrasion for Hydrotech® HydroSeal Primer-Metal to obtain sufficient long-term bond. This can be confirmed by applying a coat of copper sulfate solution to the prepared galvanized metal surface. A properly prepared surface will turn black indicating the passivator has been removed. If the surface does not turn black, additional abrasive cleaning will be required. In certain applications with zinc rich or stainless steel metals, an acceptable pre-primer may be required prior to application of Hydrotech® HydroSeal Primer-Metal.

- Prepare metal surfaces to near white metal, abraded, and wiped clean. Extend preparation a maximum of 1/8 inch (3 mm) beyond the termination of the membrane flashing.
- Hydrotech® HydroSeal Primer-Metal must be stirred before each use.
- After stirring, apply the primer to clean and prepared substrate at the required consumption using approved brushes. The primer should be applied in a thin-coat evenly onto the surface. Avoid and remove areas of heavy application, pooling, and runs especially at corners and angle-changes.
- Cure times noted below are approximate, provided as a guideline, and may vary. Actual set and cure times should be established in the field based on actual field conditions.
 - 86°F (30°C): at least 1 hour
 - 68°F (20°C): at least 2 hours
 - 50°F (10°C): at least 3 hours
 - 37°F (3°C): at least 4 hours
- Application over Hydrotech® HydroSeal Primer-Metal should be done following the recommended minimum cure times indicated up to a maximum of 24-hours. If the surface of the primer becomes dirty or contaminated or left exposed to the elements for more than 24-hours, the primer must be ground off and re-applied.

PACKAGING/SIZES/COVERAGE

Hydrotech® HydroSeal Primer-Metal is supplied in 1 kg cans. Always store in cool and dry location. Do not store in direct sunlight or in temperatures below 32°F (0°C) or above 77°F (25°C). Approximate shelf life is 12-months when left sealed, unmixed and with proper storage.

Each 1 kg unit will cover approximately 54 – 63 sqft (5 – 5.9 sqm) depending on substrate conditions.

PRECAUTIONS

Keep away from open fire, flame or any ignition source. Vapors may form explosive mixture with air. Avoid skin and eye contact with this material. Avoid breathing fumes. Do not eat, drink or smoke in area of application. Refer to product Material Safety Data Sheet (MSDS) for additional information pertaining to this product and prior to use or handling.

Workers should wear appropriate clothing to protect from accidental skin contact. When mixing or applying this product workers must use butyl rubber or nitrile gloves. Safety glasses with side shields are required for eye protection. In enclosed spaces, use local exhaust ventilation to maintain worker exposure below TLV. If the airborne concentration poses a health hazard, become irritating or exceeds recommended limits, use a NIOSH approved respirator in accordance with OSHA Respirator Protection requirements under 29 CFR 1910.134. The specific type of respirator will depend on the airborne concentrations. A filtering face piece or dusk mask is not acceptable for use with this product if TLV filtering levels have been exceeded.

Cured primer may be disposed of in standard landfills. Uncured primer is considered a hazardous material and must be handled as such, in accordance with local, state and federal regulations.

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