

Hydroshed™

Water Based, Penetrating Water Repellent for Concrete and Masonry Surfaces

FEATURES/BENEFITS

- Low VOC content
- Breathable
- Non film-forming; leaves no gloss or shine

PRIMARY APPLICATIONS

- Concrete and Masonry Walls

DESCRIPTION

Hydroshed™ is a ready-to-use, water-based siloxane/silane penetrating water repellent sealer.

BASIC USES

Hydroshed soaks into the substrate and forms a water and chloride barrier that protects concrete and masonry from the damaging effects of water and salts, especially in freeze-thaw climates and marine environments. Hydroshed is a breathable sealer that does not alter the appearance or texture of the substrate.

PACKAGING

1 gal (3.8 L) pail
5 gal (18.9 L) pail
55 gal (208 L) drum

STORAGE LIFE

12 months shelf life in unopened containers when properly stored. Shelf life could be affected if the product is not stored properly.

DO NOT FREEZE PART B

Recommended storage conditions are indoors in a ventilated, dry area removed from heat, open flame, ignition sources, and direct sunlight. Storage temperatures should range from 60-70°F (15-21°C) and must not drop below 32°F (0°C) or exceed 110°F (43°C).

On the job site, materials should remain on the pallet until use and be stored in a shaded, ventilated area. Materials should be covered with a light-colored, reflective tarp for protection against the elements. Allow for adequate air flow inside the pallets.

APPLICATION

Surface Preparation: New concrete should have a minimum of 3 days cure time prior to application of Hydroshed. Surface must be cleaned, dry and structurally sound. Substrate should also be free of all curing compounds and other contaminants, this could prevent proper penetration of Hydroshed. Moving joints or cracks must be properly sealed with an elastomeric joint sealant prior to application. Allow all repairs exceeding a width of 1/64" (0.4 mm) to cure a minimum of 24 hours prior to application. Surroundings such as grass, plants, shrubs and asphalt should be protected from drips or overspray prior to application. A small (6' x 6') test area is strongly recommended prior to starting full application, in order to ensure desired performance results, aesthetics, and coverage rates. Allow 5 to 7 days for product to fully react before evaluating.

Mixing: Hydroshed does not require mixing.

Approximate Coverage: Hydroshed should be applied at approximately 100 to 150 ft²/gal (2.45 to 3.68 m²/L). This can be used in a one or two coat application depending on surface density. When two coats are applied, use the "wet on wet" technique for best results. The profile of the application surface may affect the necessary coverage rate.

Application: Low pressure airless spray equipment is the preferred method of application, although for smaller areas, application with brush or rollers may also be acceptable. Application should be from the bottom up to ensure uniform product distribution. Apply a saturation coat with a 6 to 8 in (15 cm to 20 cm) controlled rundown. For dense surfaces, one saturation coat of Hydroshed is normally required. For porous surfaces two or more saturation coats of Hydroshed may be required, applied using a "wet on wet" technique.

Hydroshed™

TEMPERATURE / WEATHER RECOMMENDATIONS

Min Ambient & Surface Temperature: 40°F (4°C)
Max Ambient & Surface Temperature: 120°F (48°C)

- Minimum temperatures must be rising following application
- Do not apply when precipitation is expected within 12 hours of application.

CURE TIMES

Dry Time: 1-2 hours @ 70°F (21°C) / 50% RH

Note: Cure times can be effected by a number of weather and jobsite conditions including but not limited to exposure to sunlight and wind, humidity, precipitation, and temperature.

CLEAN UP

Clean drips, runs, and overspray residue while still wet, using detergent and water. Dried material may require mechanical abrasion for removal. Clean application and spray equipment with detergent and water immediately following use.

LIMITATIONS

- Product comes pre-diluted, do not add water to current mixture.
- Hydroshed can be applied to pH neutral surfaces; however, longer cure times may be required o develop full repellency.
- Hydroshed is non-flammable and non-hazardous.
- Hydroshed may exhibit minor settling upon storage. Agitation prior to use may be necessary.

PHYSICAL PROPERTIES

Material Properties @ 75 °F (24 °C)

Flash Point	> 200 °F (93 °C)
Weight/gal	8.4 lbs
VOC Content	50 g/L
Active Content (by weight)	10%
Viscosity	50 cp
Drying Time at 70 °F (21 °C)	1 to 2 hours
Average Depth of Penetration (substrate dependent)	3/8" (9.5 mm)
Absorption Reduction Federal Specification SS-W-110C	88%
Permeance Rating (ASTM E96)	1.6% Reduction

NCHRP Report No. 244

Reduction in Chloride Ion Content	21 days: 89%
Reduction in Water Absorption	21 days: 85%

SPECIFICATIONS AND COMPLIANCES

MAINTENANCE

PRECAUTIONS

TECHNICAL SUPPORT

Hydroshed™

- Hydroshed meets the performance standards of NCHRP 244
- Federal specification SS-W-110C
- Complies with all U.S. EPA and local VOC regulations, including OTC, LADCO, Maricopa County, and California (CARB and SCAQMD)
- Canadian MTQ

Your local Tremco Roofing sales representative can provide you with effective maintenance procedures which may vary, depending upon specific conditions. Periodic inspections, early repairs and preventative maintenance are all part of a sound roof program.

Users must read container labels and Safety Data Sheets for health and safety precautions prior to use.

Your local Tremco Roofing sales representative, working with the Technical Service Staff, can help analyze conditions and needs to develop recommendations for special applications.



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