

CONCRETECH

Silane-Q HD
Monomeric Alkylalkoxysilane in Aromatic
Hydrocarbon

PRODUCT DESCRIPTION

Concretech Silane-Q HD is a monomeric alkylalkoxysilane in aromatic hydrocarbon that is reactive with the minerals contained in concrete, masonry and other substrates. The monomer penetrates deeply into a substrate and then reacts to form a protective surface surrounding each microscopic particle. This protective surface is extremely durable and leads to significant improvements in weather resistance and the ability for the substrate to resist water and chloride penetration.

USES

Concretech Silane-Q HD is used on brick, stone, masonry and concrete to reduce weight gain from water adsorption and to reduce chloride ion penetration. Concretech Silane-Q HD creates a hydrophobic surface.

- High and long lasting water repellency
- Protects substrates from water and water-borne salt
- Water repellent surfaces retain normal vapour transmission characteristics
- Deeply penetrating and will not attract airborne dirt
- Reduces efflorescence
- Conforms to the most stringent test requirements of NCHRP, ASTM and AASHTO

PACKAGING

18.9 Litre (5 Gallon) pail

LIMITATIONS

- Do not use on previously sealed substrates
- Contains solvents
- Do not dilute Silane-Q HD with solvents as it will affect the performance

INSTALLATION INSTRUCTIONS

Surfaces should be clean and free of all laitance, oil, grease and other foreign substance and surface coatings. Concrete should be free of all standing water prior to applying Concretech Silane-Q HD. All concrete and masonry surfaces should be well cured.

- Ensure surface is clean
- Apply Silane-Q HD on thoroughly cured surfaces

- Apply by airless sprayer, roller or brush
- Apply in a heavy coat to increase penetration
- On vertical surfaces, apply two wet-on-wet coats

PROPERTIES

Appearance: Water-white to straw coloured liquid
Yield: Apply at 100 square feet per gallon
Shelf Life: 6 months, when stored properly
Active: Monomeric alkylalkoxysilane

Applicable Standards:

Meets NCHRP-244, ASTM C-672, AASHTO – 259/260 Salt Ponding

Weight Gain Reduction: >80%

Chloride Ion Reduction: >82%

SAFETY PRECAUTIONS

Concretech Silane-Q HD is formulated using aromatic hydrocarbons. These solvent carriers are released to the atmosphere during the application process and can accumulate in enclosed areas creating an ignition hazard. Adequate ventilation should be considered prior to applying Silane-Q HD in enclosed areas. Various solvents contain chemicals known to be embryonic toxicants. Consult MSDS for further information

TECHNICAL SERVICES

Complete technical information is available from Concretech Inc. and its authorized applicators and distributors. In house laboratory testing is available for specialty applications. Technical services available in North America call toll free 1.888.503.6780

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