



Specialist Construction Supplies for Repair, Maintenance, Building & Infrastructure

Silane BHN Data Sheet

Specification notes

Product: **Silane BHN**

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SILANE BHN

Penetrating Silane Water Repellent

Description

Silane BHN is a free-flowing, colourless, solvent-free liquid based on a monomeric alkylalkoxysilane. It is specifically intended for the water repellent impregnation of mineral construction materials in outdoor areas. Silane BHN is supplied ready to use and meets all UK Department of Transport standards, i.e. BD43/03, BD43/90 and BA33/90.

Advantages

- Invisible in use, surface dirt pick up reduced.
- Does not effect the ability of water vapour to leave the structure.
- Simple and quick to apply.
- Environmentally friendly.

Application

For a treatment of fresh concrete, the best is to wait the 28 days of concrete curing before applying Silane BHN. The substrates to be treated should be air-dry and clean in order to ensure deep penetration of the active ingredient. During application the outside temperature and the temperature of the substrate should be within the range of 0°C to 40°C. The material should not be applied if there is a strong wind or if it is raining. The material must not come into contact with water either before or during use.

Silane BHN must be applied by flowcoating to the saturation point. This is achieved by allowing it to flow without pressure against the surface to be treated. All delivery devices for liquids are suitable (airless spray guns, for example). The material must not be atomized or applied with a brush.

A liquid film of Silane BHN must remain in contact with the substrate for several seconds. Horizontal surfaces should have a shiny, wet appearance for 3-5 seconds. Vertical surfaces should exhibit a 30-50cm shiny curtain of liquid.

Technical Information

Appearance:	Clear colourless liquid
Active Ingredients:	>=98%
Density (20°C):	0.88g/cm ³ DIN 51757
Refractive Index:	1.4000
Boiling Point:	Approx. 186°C DIN 51751
Viscosity:	0.95 mPas
Flash Point:	63°C DIN 51755

Packaging, Storage & Shelf Life

Provided that moisture is excluded, Silane BHN has a shelf life of more than twelve months. Containers must be kept tightly sealed and protected from moisture. Silane BHN is supplied in 25 Litre and 200 Litre Drums and 900 Litre Bulk Containers. The storage temperatures are between -10°C and 40°C.



Safety & Handling

Before considering the use of any chemical read its Material Safety Data Sheet thoroughly for safety and toxicological data as well as for information on proper transportation, storage and use. The Material Safety Data sheet is available upon request.

Technical Support

Through our technical department and laboratories we can offer a comprehensive service to specifiers and contractors.

Technical representatives are available throughout the UK to provide further information and arrange demonstrations.



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