

IPAPHOB W

Waterbased Concrete, and Masonry Protection

D3

Characteristics

Concrete Protection IPAPHOB W is a **concentrate** of a waterbased silane impregnating agent. Thinned with water it is applied as a hydrophobing agent to concrete, masonry and other mineral substrates with high exposure to Cl-ions, particularly for buildings and structures in transportation and traffic, thus exhibiting a strong anti-Cl-ion corrosion activity and a protection of bars and reinforcement steel.

Features

High depth of penetration into the concrete
High resistance to alkali low volatility,
No loss of active substance by evaporation

After application IPAPHOB W reacts with the humidity of the air or with the moisture in the building material. By splitting off alcohol, the strongly hydrophobic substance is produced in the pores and in the capillary system of the building material. the reaction rate is increased and controlled by catalyst. Pores and capillaries are not filled up; consequently the impregnated

building material preserves most of its original water vapour permeability. Due to the impregnation the water absorption of the concrete is prevented resp. considerably slowed down.

APPLICATION

For the impregnation of the concrete of bridges, high-ways, parking decks, parking areas, supporting walls, sound insulating walls. IPAPHOB W is ready for application **after thinning with water in a relation 1:9 up to 1:16**. It acts as a preservative for concrete particularly against the penetration of thawing salt water, sea water and against damage done by frost.

Areas, long exposed to atmospheric influence and of which the pore and capillary system is blocked by oil, abrasion of tyres or dirt should be cleaned first with superheated water.

The dry concrete should be treated at least two times, wet in wet, with a sufficient amount of the impregnating agent (approx. 0,4-0,8L/M²).



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Product Data

Form as supplied % 100

Active substance content (solid) % 98

Specific gravity at 25°C 0.95Kg/L

Viscosity mPas/s 0,7-0,85

Flash point °C + ca. 35

Storage stability months 12 (no exposure to air or moisture allowed)

Supplied In: tinplate containers holding 10 L , 20 L or 200L

Safety Precautions

Barrels should be protected from exposure to direct sunlight or temperatures exceeding 30°C. Sufficient ventilation is required. It is furthermore recommended to wear protective gloves, glasses and a mask.

IPAPHOB W is flammable. Do not process in the presence of any unprotected flame. Avoid breathing its vapours; provide for sufficient ventilation. Keep liquid from leaking into waste water.

Observe all protective measures prescribed by any competent social insurance association against occupational hazards in the chemical industry. Use gloves and protective goggles. Avoid any contact between the product and your skin. For improved protection, apply cream to your hands. Use a good deal of water to wash away any splashes of material reaching your skin or an eye; afterwards, immediately consult a physician.

Any advice we provide in writing or by word of mouth is intended to support your own efforts. It is to be understood as non-binding. Product descriptions imply no representation as to liability for damage, if any. Should there be any question of liability, it will be limited, in respect of any damage, to the value of any goods supplied and used.