

AQUAPEL-S

Protective hydro-salt repellent for concrete surfaces

Description

AQUAPEL-S is a new generation solvent-based sealant composed of poly-condensed silica. This transparent and breathable water repellent is ideal for use on concrete both indoors and outdoors.

AQUAPEL-S penetrates into concrete and, through a chemical reaction, binds directly with the surface making it highly and permanently resistant to both water and salt.

AQUAPEL-S is invisible, does not yellow and after just 7-10 days from application creates protection against water and salts.

Features

- Penetrates deep into substrates and ensures long-term protection.
- Effectively inhibits the absorption of moisture and salt
- Quick and easy to apply
- Ready to use product
- Does not create a film and does not turn yellow
- Does not alter the colour of the floor

Fields of use

AQUAPEL-S protects concrete from the damaging effects of anti-icing chemical agents, road salts and other chemical agents both in cold and warmer climates.

AQUAPEL-S is also used for the protection of architectural concrete, moulded floors, washed exposed aggregate concrete, SASSOITALIA®, bricks and block paving floors.

Technical information

NCHRP 244 Series II, Reduction of water absorption (minimum).	85%
--	-----

NCHRP 244 Series II, Chloride intrusion reduction (minimum)	90%
--	-----

Penetration depth (depending on the porosity of the substrate)	2-4 mm
---	--------

ASTM C 672, Pull test (0 = "no stripping")	0
---	---

Application

Preparation

Concrete must be in good condition and mechanically or chemically cleaned of dirt, efflorescence, contaminants, oil, anti-evaporants, waxes or resins. Repair deteriorated surfaces.

New floated concrete (helicopter)

Allow the concrete to mature for at least 10 days in ordinary climatic conditions before applying AQUAPEL-S.

Imprinted surfaces

AQUAPEL-S can be used to give added protection from salts to imprinted surfaces. Allow the concrete to mature for at least 7-10 days before applying a coat of AQUAPEL-S. After 6-8 hours, IDEAL SEALER protective resin can be applied

Application procedure

Mix AQUAPEL-S thoroughly before use. Do not dilute. Apply AQUAPEL-S using a low-pressure gun with fan, roller or brush spout. Apply to saturation in several uniform coats. Apply following coat as soon as the previous coat is dry on the surface.

Cleaning

Immediately after use clean the equipment with solvent.

Note well

The surfaces treated with AQUAPEL-S fully develop the hydro-salt repellent properties approximately 7-10 days after application.

Coverage

The indicative consumption per m² is:

On porous or "combed" surfaces:	250-350 g / m ²
On "helicopter smoothed" finish:	200-250 g / m ²
On smooth or smooth surfaces treated with Ideal Hard:	150-200 g / m ²
On imprinted surfaces:	150-200 g / m ²

Packaging / storage / disposal

AQUAPEL-S is supplied ready for use in packs of 25 L.

It can be stored in the sealed original container for about 12 months in a cool, well-ventilated place at a temperature of not less than 4°C. Close opened containers immediately after use.

Warnings

Use personal protective equipment such as rubber gloves and protective goggles. Protect glass, plastic products, shrubs and plants from indirect spraying.

Avoid contact with food. Keep containers away from direct sunlight, rain and frost.
Consult the safety data sheet.

Limitations

AQUAPEL-S must not be applied if the air, product and / or surface temperature is lower than 4°C or higher than 35°C and in the event of strong wind.

Avoid application in the 24 hours following the rain or if rainfall is expected within the next 8 hours.

AQUAPEL-S does not constitute waterproofing and cannot replace it.

Only solvent-based resins can be applied to the surface treated with AQUAPEL-S.

IMPORTANT

All information contained herein is based on the best and most recently available practical and laboratory testing. It is the customers responsibility to determine that the product is suitable for their chosen application. The manufacturer assumes no responsibility for the results of incorrect applications. You should always test on a small area before full scale application. This document replaces all previous versions. The data can be changed at any time. Also note that the products are intended for professional use only. Ideal Work provides training, updates and refresher courses for their regular customers on request. Anyone using these products without being enabled does so at their own risk.

Ed 01 dated 01.03.2012 - REV. 04 dated 29.03.2020