

Technical Datasheet

VS-1

Transparent acrylic protective stone varnish

Description

VS-1 is a ready-to-use, transparent acrylic varnish with solvents, used to protect natural stone, including slate and limestone, and artificial building materials, e.g. decorative brickwork, roof tiles, etc.

- It provides great water-repellency.
- It offers durable, long-lasting protection.
- It enhances the natural color of the material.
- It is UV-stable; it will not turn yellow over time.
- It resists weathering and frost damage while preventing salt staining and dirt pick-up.
- It is suitable for indoor and outdoor use.

Fields of application

VS-1 enhances the natural beauty of the surface whilst protecting it from rain, weather conditions and air pollution. It's highly effective impregnating formula is suitable for natural stone, exposed masonry, roof tiles, etc. For interior and exterior use on wall and floor surfaces.

Technical data

Color:	transparent
Density:	0.90 kg/l
Touch dry:	15 ± 5 min
Recoat time:	2-3 h
Viscosity:	35 ± 5 sec (DIN 53211-70, 2 mm, 23°C)
Gloss level:	> 65% (EN ISO 2813-99, 20°C)
Solid content by weight:	19 ± 1 % (EN ISO 3251-03)

Cleaning of tools: Remove as much material as possible from tools before cleaning. Clean tools thoroughly with SM-21 or SM-27 right after use.

Directions for use

1. Substrate preparation

The surfaces to be treated with VS-1 should have open pores. Adjacent surfaces such as windows, painted surfaces and solvent-sensitive materials such as polystyrene, joint sealants, bitumen, etc., have to be protected during VS-1 application.

2. Application

The application of VS-1 is carried out with a brush, roller or spray in two layers. The second layer can be applied as soon as the first one has dried.

Consumption

150-200 ml/m²/layer, depending on surface absorbency.

Packaging

1 l, 4 l and 10 l metal containers.

Shelf life – Storage

24 months from production date if stored in original, unopened packaging, at temperatures between +5°C and +35°C. Protect from direct sunlight and frost.

Remarks

- Temperature during application of the product should be between +5°C and +35°C.
- VS-1 contains solvents. Ensure good ventilation during application in confined spaces.
- After hardening VS-1 is totally safe for health.
- Please consult the safety instructions written on the packaging before use.

Volatile Organic Compounds (VOCs)

According to Directive 2004/42/CE (Annex II, table A), the maximum allowed VOC content for the product subcategory h, type SB is 750 g/l (2010) for the ready-to-use product.

The ready-to-use product VS-1 contains a maximum of 750 g/l VOC.

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