

SealShield

SealShield is an aliphatic waterborne mineral-hybrid silica coating especially designed for porous surfaces. It reinforces and waterproofs a wide range of surfaces such as stone, sandstone, concrete, brickwork, wood, gypsum, plaster, metals etc.

Revolutionary coating crosslinks chemically with the coated surface to feature an extremely high adhesion, high-permeability and strong hydrophobic effect.

It is designed to seal against weather conditions, chemical substances and reinforce the surface at the same time

Applications

Product is suitable but not limited to the below:

- To strengthen and seal weak and loose cementing infrastructures such as: Plasters, gypsum, cement-board, Bricks, sandstone, wood and more
- To strengthen and seal natural and synthetic stones crumbling / absorbing
- For external and internal applications
- Sealing and protection from the accumulation of dust on concrete elements
- Sealing and protection for concrete flooring
- Preventing development of lichen, algae and moss on external applications
- As primer before painting, tiling, plastering, cementing etc..

Features/benefits

- Very high scratch resistant
- Easy to apply – does not need to use primer before application
- Significant improvement in wear resistance and chemical resistance compared to untreated surface
- Not biodegradable - Permanent Waterproofing and surface Reinforcement effect
- Improved surface cleanness
- High UV resistance
- Good penetration to all surfaces
- Allows “breathing” of the coated surface
- Very flexible – crack bridging of up to 1.5mm
- Colourless and VOC free
- Salts resistance tested to EN13270-1999
- Water rejection tested to ASTM C-156
- Tested to UNE-EN1504-2:2005

Surface Preparation

To achieve the performance required from this product, correct surface preparation is vital. Please make sure surface where sealant is going to be applied is dry and free from, dust, dirt, grease.

Failure to follow these guidelines may impact on the longevity and success of the seal.

Application instructions

Before beginning the application, read the instructions and perform a sample in a hidden place. Only after obtaining the desired result you can continue apply and move on to larger surfaces. Sealshield can be applied with a low pressure spray device, brush or roller. Mix well before use. Consumption is 0.1-0.15kg/m² per layer, however this may vary depending on application conditions, depreciation etc. Product is ready to use, but for better durability it is recommended to apply two coats:

- First coat to be diluted with water by 40-50% and applied evenly
- After applying there should be 1-2 hours time allowed to dry before next coat can be applied
- Second layer should be with undiluted product and applied evenly

Application temperature and drying time:

- 4 hours ~ + 5° c
- 3.5 hours ~ + 10°c
- 3 hours ~ + 20°c
- Two hours ~ + 25 °c

Drying times may vary depending on application, wind and humidity. Final hardening should be reached after approximately 48-72 hour from application.

Do not mix different curing materials from the same or other manufacturers!

For Health and Safety advise, please read Material Safety Data Sheet carefully.

Storage advice

Product shelf life is 3 years from the date of manufacture. It should be stored undiluted in original containers at temperatures between 5°C to 35°C. Avoid store containers in direct sunlight.

Please note: The above technical information is given as a guide and is based on recent test data obtained under laboratory conditions. Materials should be fully tested by the end user to establish suitability of the product for the intended application. February 2025