

PRODUCT DATA SHEET



Smartseal Clay & Concrete Roof Tile Sealer

MODIFIED SURFACE ENERGY IN ACTION



PRODUCT DESCRIPTION

Smartseal Clay & Concrete Roof Tile Sealer is an aqueous fluoropolymer dispersion treatment that prevents ingress of most types of surface contamination, including water, oil and graffiti to porous wall, floor and roof building substrates.

ADVANTAGES

Smartseal Clay & Concrete Roof Tile Sealer is a surface treatment for exterior and interior porous substrates, to prevent water and liquid ingress.

There are a number of benefits:

- Prevents airborne dirt and stains, including chewing gum from adhering to the surface. It has a good resistance to graffiti.
- Reduces surface degradation as atmospheric contaminants no longer stick to the surface.
- Resists moss and lichen formation.
- Will not alter the aesthetics of the treated surface (invisible protection) or change its colour. A treated surface will remain moisture vapour permeable.
- Prevents surfaces from deteriorating through repeated "Freeze/Thaw" cycles.
- Is suitable for ground surfaces with high levels of foot traffic. UV resistant. Non-flammable. Non-toxic. Environmentally friendly.

PACKAGING

1, 5 or 25 litre units

TECHNICAL DATA

Chemical Composition: Aqueous fluoropolymer dispersion.

Density: 1.0kg/lit @ 25°C.

Flashpoint: > 55°C.

Chemical Resistance: mild acids and alkalis, water and de-icing salts.

Coverage: Dependant on porosity

VOC Content: 0.0g/litre

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APPLICATION

“Always test apply on a small hidden portion of the substrate before commencing works.”

APPLICATION DETAILS:

Substrate Quality: Cracks must be repaired using a concrete/mortar repair system.

Moisture content should be = or <5% to a depth of 1cm.

Substrate Preparation: Clean, free from dust, dirt, oil, efflorescence, organic growth and old paint films.

Pressure washing up to 2500 psi and the use of **Smartseal Clay & Concrete Roof Tile Sealer** will eradicate residual organic spores.

APPLICATION INSTRUCTIONS:

Smartseal Clay & Concrete Roof Tile Sealer may be applied using low pressure spray, brush or roller.

Ensure application is from bottom to top on vertical surfaces taking care not to let the product run.

Any subsequent applications must be applied “wet on wet”.

Re-application: Subsequent applications MUST be applied “wet on wet” within 10 minutes of previous application.

Once a fully treated surface is dry **Smartseal Clay & Concrete Roof Tile Sealer** cannot be re-applied as there will be loss of adhesion.

Application/Limitations: Efflorescence must be treated with **Smartseal Efflorescence Remover** before application of **Smartseal Clay & Concrete Roof Tile Sealer**.

Smartseal Clay & Concrete Roof Tile Sealer will not work if applied over non-absorbent surfaces.

APPLICATION CONDITIONS/ LIMITATIONS:

Substrate Temperature; +5°C to 30°C.

Ambient Temperature; +5°C to 30°C.

Substrate Moisture; 5% maximum.

COVERAGE:

Architectural Concrete: 5 SqM/Ltr

Block Paving - 5-8 SqM/Ltr

Coverage rates vary with porosity of surface being treated

All surfaces must be treated to saturation in 1-3 applications “wet on wet” applied, to ensure 100% product efficacy. This varies with substrate, and treating a small trial area is recommended to calculate true consumption.

STORAGE/CLEANING

Keep in a dry place (between 5°C and 30°C).

Storage: 24 months following the production date when kept in the original unopened container.

Immediately after you have finished clean all tools and equipment with water.

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RECOMMENDATIONS/CURING

Wear protective gloves and glasses, and appropriate clothing whilst using the product.
Curing Treatment: Do not to apply **Smartseal Clay & Concrete Roof Tile Sealer** if rain is expected within 4 hours. Water repellence is evident after initial curing but may take up to 7 days to reach 100% efficacy.

Notes: The technical data provided is based on laboratory tests and some variations may occur on large areas and substrates of an uncertain nature.

Do not allow the applied product to dry in between application.

Do not apply during rain or frost and when surface and air temperature is < 5°C and > 30°C.

HEALTH AND SAFETY

Respiratory Protection: Under normal conditions of use where adequate ventilation is available, no special respiratory protection equipment is needed.

Hand Protection: Wear domestic gloves.

Skin Protection: Wear protective clothing over exposed areas of skin.

Eye Protection: Wear safety goggles.

If swallowed: Does not induce vomiting. Contact a doctor or a specialist.

KEEP OUT OF THE REACH OF CHILDREN

Please refer to Material Safety Data Sheet. Transportation Class, N/A.

Legal Notes, See Smartseal UK Limited Standard Terms & Conditions.

Smartseal UK is REACH compliant to EU 453 2010 from the 01/12/2010

TECHNICAL SUPPORT

Smartseal UK Ltd, 14a Annwood Lodge Business Park, Rayleigh, Essex SS6 7UA.

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Important: The content of this documentation is based on our experience of the product. Smartseal UK guarantees the quality of its products, but expressly declines any liability in the event of failure by the user to comply with the recommendations and conditions of use of said products, notably but not exclusively in the event of incorrect application, application by unqualified personnel, use of products not compatible with Smartseal UK's products or bad weather conditions. For further information, refer to the safety data sheet.

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