

SR77 - Zero+ Silicone Mineral Thin Coat Render

Colour Fast



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Technical Data



Pack Size 20kg bag	Water Demand 2 part provided
Pallet QTY 30 tubs	Pot Life 30-60min+ (Dependant on temperature)
Finishing Tool Plastic Float	Ready to Finish 10 to 40 mins
Setting Time 2-3Hrs	Coverage Approx 10M ² per bag @ 1.5-2mm thick
Suitable Substrate ecorend basecoat / sponge float finished	Application Temperature 0°C - 25°C
ecorend.co.uk/datasheets/SR77	Humidity Requirement Less than 95%



Silicone Water Repellent



Colour Fast



Fibre Reinforced



Zero + Application



Highly Polymer Modified



Plastic Float Finish

A high performance fast set cement based and polymer modified through coloured mineral thin coat render, this unique product is based on cement technology and can also be applied at lower temperatures.

 La Roc Dalton Industrial Estate, Dalton, North Yorkshire YO7 3HE 14	
ecorend SR77 Silicone Mineral Thin Coat Render CR: Coloured rendering mortar EN 998-1:2010	
Reaction to fire	F
Dry bulk density	1650 kg/m ³
Compressive strength	CS IV
Adhesion	≥ 0.5 N/mm ² , (FP) B
Capillary water absorption	W2
Water vapour permeability coefficient	μ ≤ 15/35
Thermal conductivity	(λ10, dry) 0.61 W/mK (tab. mean value; P = 50%)

PRODUCT INFORMATION

SR77 is a Silicone Mineral Thin Coat Render that is a highly polymer modified fibre reinforced fast set high performance render which is highly weather resistant and highly vapour permeable. Using high performance Nano silicone, cross-linked polymer technology, this highly water repellent formulation provides excellent facade protection. Can be applied by hand or spray at low temperatures. Available in a range of light pastel colours, this product may also be over painted with Silicone Masonry Paint to add deep colour.

PREPARATION

All surfaces must be sound, clean, dry and free of any material which may impair adhesion. Do not apply to shiny surfaces. Scaffolding must be independently tied to allow for uninterrupted application. Any faults in the structure, particularly those which may lead to moisture penetration, must be rectified. Mask around the areas where material is to be applied. Masking tape must be removed before the material has dried out. Beads and expansion joints should be included as required by the substrate and BS standards and carried through all applied materials.

MIXING

SR77 is a two part material therefore, to activate remove part B from mixing tub and then pour part A into the mixing tub ensuring that part A has been shaken well before pouring. Once part A has been poured into the mixing tub, add part B, and mix with a suitable paddle mixer. Mix for 2-3 minutes, allow standing for 2-3 minutes then re-mix. This process allows the additives to dissolve and activate.

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APPLICATION

Apply on to the following fibre reinforced flat sponge float finished base coats – OCR, X32, GRC, FX4

To maintain colour consistency, panels should be completed in sequence around the building, and where possible, in the same batch numbers. To avoid dampness and discoloration, rendering should be avoided below DPC or within 150mm of ground level. To apply the material use a stainless steel trowel or suitable spray equipment, use the size of the aggregate to gauge the thickness of the render when applying to the substrate this means pushing the float down onto the substrate to ensure excess thickness is removed before float finishing. Once the render is applied finish in 10-40min dependant on temperature in warm weather finishing will be required quicker than in cold conditions finish with a plastic float working the material in small circular motions, this will create a natural random surface.

Hot Weather, High Winds, Working

This product requires water to allow the binder to hydrate efficiently. Without moisture curing, water in the mix is lost to evaporation into the air and to absorption into the substrate. Soaking the substrate first with clean cold water reduces absorption into the substrate and also puts water back into the system, which will increase the open time of the product for finishing. In very hot conditions once the product has been finished and is starting to pick up, spraying the surface of the product with a fine mist of clean cold water will replace the lost water been evaporated by the heat, and allow the binder to hydrate efficiently ensuring a fissure free finish, continue doing this every 20min until the temperature or winds reduce down and product finally cures. In excessively hot periods moist mist curing should be completed several times per day evenly over the wall for a couple of days, or longer if very windy, dry and hot, keeping in mind that excessive watering can result in increased colour differences.

Additional Key Points

- Ensure mixing additive is cool and has not been stored in heat.
- Scrape and skip previous mix of render from the mixing pan before mixing fresh batch.
- Ideally mix only 25kg of material at a time or not more that can be used within 30 minutes.
- Mix powder with additive for minimum of 2-3 minutes (this will allow the retarder to dissolve in water), leave to stand for 2-3 minutes and remix again – cutting the mixing time will result with shorter working time;

Specification Clauses relating to these products can be found in NBS Section M20 & M21 Rendering. BS 5262 Code of Practice for External Rendering and BS 8000-10 must be followed

NOTE

SR77 Coat may stiffen on standing.
Re-mix the product to regain a workable consistency, but do not add any more water.

STORAGE

When stored unopened in a dry place at temperatures above 5°C, shelf life is 12 months from date of manufacture.

TOOL CLEANING

All equipment must be washed with clean water immediately after use. Waste material should not be emptied into drainage systems.

HEALTH & SAFETY INSTRUCTIONS

For further information, please request the material safety data sheet for this product.

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IMPORTANT INFORMATION

The weather conditions for application and drying are critical. Do not apply if any of the following conditions are likely to arise during - or in the first 24 hours following application:

- If frost is forecast, or in wet conditions
- When Relative Humidity is above 95%
- In temperatures below +0°C or above +25°C
- If the elevation is in direct sunlight
- If the substrate is hot (at or above 30°C) or below +0°C
- Coverage rates are approx. and do not take into account wastage and uneven substrates



The render must be protected against heavy rain, direct sun or wind in the first 24 hours after application. Sheeting the façade or the scaffold is advised to protect against this. For this particular product, if these parameters are not met, the product is at risk of colour variation, cracking and potential failure. Always ensure that the same batch numbers when possible are used up to natural breaks in the elevation – i.e. down pipes, expansion joints and corners as batch to batch colour variation is possible due the fact natural raw materials are used. It is the responsibility of the application contractor to manage and record the weather conditions during application and curing of the product.

To the best of our knowledge and belief, this information is true and accurate. However, as conditions of use of the product and the expertise of any labour involved are beyond our control, the end user must satisfy himself by prior testing that the product is suitable for his specific application if no spec has been provided for the project in hand. No responsibility can be accepted, nor any warranty given by our Representatives, Agents or Distributors. Products are sold subject to our Standard Conditions of Sale and the end user should ensure that he has consulted our latest literature.

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