

EWI-077

Nano Drex Silicone Render

EWI-077 Nano Drex Silicone Render is a highly hydrophobic, thin coat render. This high-tech render ensures that water is completely repelled from its surface, forming droplets that roll straight off. As a result, problems with damp and mould are completely reduced. EWI-077 is ideal for buildings in areas that are highly exposed to organic matter, as its advanced self-cleaning capabilities make it suitable for withstanding this type of environment.

Intended Uses.

Nano Drex Silicone Render should be installed on top of the reinforced basecoat layer (EWI-225 Premium Basecoat with embedded EWI-66640 Fibreglass Mesh) to ensure the system is durable and will withstand cracking during any movements within the underlying substrate. The Nano Drex Silicone Render can be used as a stand-alone 'render only' finish or in the EWI Pro External Wall Insulation Systems on either EPS or Mineral Wool. This is a decorative render, available in 1mm, 1.5mm, 2mm & 3mm grain sizes. It can be applied by hand or mechanically sprayed.



Technical Specification

Composition

Nano-particle silicone polymer dispersion

Granulation

1mm, 1.5mm, 2mm or 3mm.

Relative diffusion resistance (non-trowelled 3 mm thick layer)

$\leq 0.13 \text{ m}$

Water absorption after 10 hours

$\leq 360 \text{ g/m}^2$



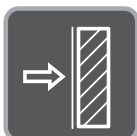
HIGHLY
HYDROPHOBIC



SELF
CLEANING



RESISTANT TO ALGAE
AND PLANT GROWTH



GOOD
ADHESION



HIGH
ELASTICITY



SUITABLE FOR SPRAY
APPLICATION



WATER
RESISTANT



FROST
RESISTANT



UV
RESISTANT

Directions for use.

Substrate Preparation

Before applying the render, the basecoat layer needs to be primed using EWI-333 Silicone Primer. This can be applied to the substrate using a brush, a roller or a spray machine

Product Preparation

Nano Drex Silicone Render comes as a through-coloured, ready-to-use product. In order to create coloured Nano Drex Silicone render, EWI Pro add pigments to the render buckets prior to delivery. Always check the colour matches the order. The render should not be thinned with water or any other products.

Application

Apply the render onto the substrate using a stainless-steel trowel. The optimal thickness of the render is equal to the grain size and is achieved by removing any excess product from the substrate. To ensure an even-textured finish, immediately rub up the surface of the render using circular motions with a plastic render float.

All pigments are added using a highly calibrated mixing machine, however minor discrepancies may occur between batches. As a result, for each elevation, we recommend using a large primary container which can hold multiple buckets of coloured render. This should be continually topped up and remixed using a paddle mix throughout render application.

Works must be protected from rain, snow, strong winds and direct sunlight. The average drying time for Nano Drex Silicone Render is 12-48 hours depending on weather conditions. The drying period may be significantly longer in low temperature

Application Conditions

Application temperature (air, ground-works and product)
from +5°C to +25°C
Maximum Layer Thickness
1-3mm
Drying time
12-48 hours

Packaging

25kg Bucket

Storage

Shelf life: up to 12 months from the date of manufacture.
Keep dry and in the original undamaged packaging.

Safety measures

Avoid contact with skin. Wear eye protection. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Clean-up

Wash tools immediately with clean water.

Compliance with Standards

PN-C-81913:1998 Dispersion paints for facade painting. European Technical Approvals ETA – 15/0576 and ETA – 15/0575
BBA Approval Inspection Testing Certificate 18/5503