

EWI-269

Lightweight Basecoat

EWI-269 Lightweight Basecoat is a breathable, levelling product that can be used internally or externally on high performance blockwork, lightweight masonry structures and stonework. The Lightweight Basecoat can be hand or machine applied to the substrate and can be applied up to 20mm in one pass. The basecoat is compatible with the EWI Pro heritage range of products due to its lime content, which makes it lightweight and flexible. The Lightweight Basecoat comes in pre-mixed grey powder format, ready to just add the right amount of water. Key ingredients are as follows: grey Portland cement, hydrated lime and perlite. Due to its chemical composition, the Lightweight Basecoat also has a declared thermal efficiency of 0.47W/mK.

Intended Uses.

This basecoat is great as an internal or external preparation layer, e.g. parging, isolation, dispersion and levelling coats. Once applied the substrate will be ready for either an additional reinforcement layer or a final decorative finish depending on the project.

Typical build-up of product is 20mm in one pass, with a finishing coat. For thicker levelling requirements consider installing a reinforcement layer.



Technical Specification

Composition

Portland cement, hydrated lime, mineral fillers (including perlite), admixtures

Bulk density (fresh mortar)

approx. 1.5 g/cm³

Bulk density (hard mortar)

approx. 1.2 g/cm³

Classification according to PN-EN 13813:2003

CT-C20-F5

Air content:

approx. 29%

Thermal conductivity coefficient (λ) (tabular value):

< 0.47 W/m²K

Reaction to fire

Class A1

Grain size distribution

up to 1.25 mm



GOOD ADHESION



WATER RESISTANT



FROST RESISTANT



FACILITATES THE APPLICATION OF RENDERS



HYDROPHOBIC



SUITABLE FOR SPRAY APPLICATION



VAPOUR PERMEABILITY



LIGHTWEIGHT

Directions for use.

Substrate Preparation

When using the EWI-269 Lightweight Basecoat as a levelling layer, ensure the substrate surface is clean and free from any debris, salts and dust. If the surface is dusty prior to starting the installation process, then consider using a jet wash first before coating the surface with the EWI-301 Substrate Primer. For painted surfaces, check for structural stability first, then consider using EWI-310 Universal Primer, which will create an abrasive surface ready for the EWI-269 Lightweight Basecoat to key onto.

For internal or external new build application, we recommend a period of settlement and drying out of the underlying substrate. Substrates ready for the application of the Lightweight Basecoat should be durable, rigid and dimensionally stable to avoid applying the product thicker than necessary.

Product Preparation

The bag needs to be mixed with 5 litres of clean potable water using an electric paddle mix. It is recommended the basecoat is mixed for 2-3 minutes to achieve the required consistency. Depending on the conditions of application and the mixing process check the first batch of mortar when it is mixed for the appropriate consistency and if necessary, adjust the amount of added water to the mixture. The lightweight basecoat is then ready for use. Hardened basecoat should not be remixed with fresh material.

Application

Apply the mortar uniformly across the substrate and level it with a plastering trowel. When plastering in single coats of approx. 5-20mm, the final float finish (using a plastic, metal or felted float) should be completed after the initial setting process (approx. 2 hours for primed substrates, approx. 1.5 hours for substrates with a rough coat).

When plastering in multiple coats, each subsequent layer should be applied after the previous layer has set and therefore provided a natural key. All plaster works should be carried out in dry, mild weather. For external application, always consider scaffold netting and appropriate protection for the working surface to mitigate the impact of adverse weather conditions. Internal areas should be well ventilated to allow the application layer to cure and dry out.

Application Conditions

Substrate primer
EWI-310 or EWI-301
Application and setting temperature (air, substrate, materials):
from +5°C to +25°C
Water mix proportions
approx. 5 l of water per 25 kg of dry mix
Time to use after mixing with water
approx. 3 hours at a temperature of +20°C; approx. 1 hour at a temperature of more than +25°C
Dry mix consumption
approx. 5.5kg/m ² per 5 mm of layer thickness
Layer thickness (min-max)
5mm-20mm

Packaging

25 kg bags.

Storage

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

Safety Measures

Alkaline pH after mixing with water. 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.