

Technical Product Information

WEM Natural Lime Universal Plaster Article no. 25101

Scope of application

WEM Natural Lime Universal Plaster is an interior undercoat plaster that is also suitable for moist rooms. It can be applied to masonry and all kinds of rough concrete, pumice concrete and poured concrete surfaces. It is used to embed WEM Climate Grids and WEM Heating Pipes.



Properties

Ready-mixed dry mortar of group CS I as per DIN EN 998-1	
Free from synthetic bonding agents, highly permeable to vapour, inimical to fungi and mould	
Grain	1.8 mm
Diffusion resistance coefficient	$\mu = 6$
Composition	Natural hydraulic lime limestone sand quartz sand low admixture of cellulose

Storage

Shelf life of approx. 6 months in dry storage

Coverage

The bag content of 25 kg gives approx. 16 litres of wet mortar, which is sufficient for an area of approx. 0.5/1.1 m² with a coat thickness of 30/15 mm, depending on the roughness of the sub base (approx. 1.6 kg/m² per mm application thickness).

Processing

WEM Universal Natural Lime Plaster is suitable for all common plaster machines and common material handling equipment. The operating instructions of the machinery manufacturer should be observed.

If you want to apply the plaster manually, mix the bag contents with approx. 7 litres of water in a drum mixer, compulsory mixer or with a stirrer.

Embedding of wall heating pipes:

Apply WEM Natural Lime Universal Plaster to the wall surface up to the top edge of the heating pipes and screed the surface. Make sure to roughen the surface well after the stiffening of the plaster and remove the sinter skin that might generate (coat thickness of 23 mm approx.). Apply a second coat with a thickness of approx. 7 mm to cover the pipes. Lay reinforcing fabric into this coat. Let the plaster dry at least one day per mm coat thickness before applying the final coat of WEM Lime Fine Finish Plaster.

- Sub base** Wet the sub base sufficiently if it is very hot outside of if the sub base material is strongly absorbing. Apply a previous coat of adhesive lime plaster HP 14 with a toothed trowel on concrete sub bases or wood-fibre insulating boards. Let the adhesive plaster dry thoroughly before applying WEM Natural Lime Universal Plaster. Use lime-cement plaster on surfaces that will be covered with tiles.
- Special notes** Observe the stipulations of DIN 18350 and DIN 18550 when inspecting and preparing the sub base. The sub base must be absorbent, dry and free from dust, formwork lubricant and other separating agents. Fit a supporting base to surfaces that are unsuitable as sub bases (wooden and iron surfaces, smooth concrete, butt joints of structural components, roller-shutter boxes, light-weight constructions boards) and apply the plaster by throwing or armour the sub base with lye-resistant fabric. The ambient temperature and/or the sub base temperature must be higher than 5 °C. Pure lime mortars must be kept above the freezing point for four weeks after their processing. Always use WEM Natural Lime Universal Plaster in the original condition, never add any admixtures to it.
- Available batch sizes** Bags with 25 kg; 42 bags per pallet.
- Quality control** WEM Natural Lime Universal Plaster is continuously examined in the laboratory of our factory to ensure the specified composition and properties.
- Safety notes** Xi, irritating.
Mortar becomes strongly alkaline in combination with moisture. Therefore, protect your skin and eyes. In case of contact, rinse thoroughly with water. In case of contact with eyes, seek medical advice immediately.