

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 the WEM Pipe System.



**Properties**

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

**Storage**

Shelf life of approx. 6 months in dry storage.

**Coverage**

The bag content of 25 kg gives approx. 19 litres of wet mortar, which is sufficient for an area of approx. 0.65/1.3 m<sup>2</sup> with a coat thickness of 30/15 mm, depending on the roughness of the substrate.

**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. 7.5 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.

**Substrate** Wet the substrate sufficiently if it is very hot outside or if the substrate material is strongly absorbing. Apply a previous coat of adhesive lime plaster HP 14 with a toothed trowel on concrete surfaces 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 18550 when inspecting and preparing the plaster base. The plaster 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 plaster bases (such as wooden and iron surfaces, smooth concrete, butt joints of structural components, roller-shutter boxes, light-weight constructions boards etc.) and apply the plaster by throwing or armour with lye-resistant fabric. The ambient temperature and/or the object 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.