

Technical Product Information

# WEM Clay Universal Plaster

Article no. 20202

DIN 18947 – LPM 0/2 f – SII – 1.8

## Scope of application

Single- or multi-layer indoor plaster suitable for plaster-throwing machines or manual application on all sub bases appropriate for rendering. Due to its composition, the plaster is a perfect heating plaster for radiant wall heating systems. It embeds the pipe and conducts the heat from the heating pipe to the wall surface.



## Technical data

Composition	Milled construction loam quartz sand natural fibres
Coating thickness	5 to 23 mm
Grain group/grain oversize	0/2 mm
Bulk density class	1.8
Drying shrinkage	< 2,5 %
Strength class	S II
Compressive resistance	2.2 N/mm <sup>2</sup>
Flexural strength	> 0,7 N/mm <sup>2</sup>
Adhesive strength	≥ 0.1 N/mm <sup>2</sup>
Thermal conductivity	0.91 W/(mK)
Vapour diffusion resistance class	WS III
Material class	B2
Abrasion	0.1 g

## Storage

In a dry storage place, the shelf life of the plaster is unlimited.

## Coverage

25 kg Clay Universal Plaster gives 16.6 litres of rendering mortar. This quantity is sufficient for a surface of approx. 1.66 m<sup>2</sup> with a coat thickness of 10 mm or for a surface of 0.72 m<sup>2</sup> with a coat thickness of 23 mm (approx. 1.506 kg/m<sup>2</sup> per mm application thickness).



Flächenheizung und -kühlung

- Processing** Add 5.4 litres of water to 25 kg of plaster. The sub base must be clean, free from film-forming separating agents and sufficiently rough because the clay plaster adheres mechanically. Pre-wetting is not necessary. Apply the plaster either manually with a trowel or with a plastering machine. If a single coat is applied, it may have a thickness between 5 and 23 mm. You can apply multiple coats, however.
- Workability and drying** The ready-mixed material remains workable for several days if stored in a closed recipient. You may have to add some more water before reuse. Operate the wall heating at a supply temperature of 30 to 45 °C immediately after the application of the clay plaster to accelerate the drying process. Remove moisture through cross ventilation or with a dehumidifier. If you cannot operate the heating you must use appropriate machinery for drying. Consider the drying report of the German Association for the Promotion of Clay Building Materials (DVL). ([www.wall-heating.com/tp](http://www.wall-heating.com/tp)).
- Finishing** Apply subsequent paint or plaster finishes only after all plaster layers have dried completely.