

Technical Product Information

WEM Clay Universal Plaster

DIN 18947 – LPM 0/2 f – SII – 1.8

Article no. 20202

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	1.5 %
Strength class	S II
Compressive resistance	2.3 N/mm ²
Flexural strength	0.90 N/mm ²
Adhesive strength	≥ 0.1 N/mm ²
Thermal conductivity	0.91 W/(mK)
Vapour diffusion resistance	μ = 5/10
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 m² with a coat thickness of 10 mm or for a surface of 0.72 m² with a coat thickness of 23 mm (approx. 1.506 kg/m² per mm application thickness).

- Processing** Add 5.6 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).
- Finishing** Apply subsequent paint or plaster finishes only after all plaster layers have dried completely.