

TECHNICAL DATA SHEET

MACHINE PLASTER

Cement-Based Machine-Applied Plaster for Interior and Exterior Walls



Cement-based machine plaster for fast and uniform application on interior and exterior mineral surfaces.

DESCRIPTION

Machine Plaster is a cement-based, factory-blended plaster developed for machine application on interior and exterior mineral surfaces.

It provides a uniform plaster layer and improves the strength and finish of the applied surface.

ADVANTAGES

- High adhesion strength
- Fast machine application
- Saves time and labor
- Easy to level and shape
- Vapor permeable and non-combustible

AREAS OF APPLICATION

- Residences, shopping centers and hospitals
- Interior and exterior walls and ceilings
- Concrete and reinforced concrete surfaces
- Brick and prepared masonry surfaces
- Tunnels, foundations and civil engineering works

TECHNICAL INFORMATION

Property	Declared value
Product type	Cement-based machine-applied plaster
Standard	TS EN 998-1
Appearance / Colour	Powder / Grey or White
Packaging	25 kg kraft bag
Maximum particle size	1.2 mm
Dry bulk density	1550 ± 200 kg/m ³
Thermal conductivity	0.79 W/m·K
APPLICATION PARAMETERS	
Mixing water	4.75-5.75 L per 25 kg powder
Application temperature	+5°C to +35°C
Minimum plaster thickness	Walls: 10 mm / Ceiling: 8 mm
Maximum plaster thickness	25 mm per layer / 50 mm total
Consumption	Approx. 15 kg/m ² per 10 mm thickness

STANDARD

TS EN 998-1 | Rendering and plastering mortar

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PERFORMANCE PROPERTIES

Property / Test method	Declared value
Water vapor diffusion coefficient, μ (TS EN 1015-19)	≤ 15
Compressive strength (TS EN 1015-11)	CS IV (≥ 6 N/mm ²)
Bond strength (TS EN 1015-12)	≥ 0.20 N/mm ² FP:B
Capillary water absorption (TS EN 1015-18)	W0
Reaction to fire (TS EN 13501-1)	A1

SUBSTRATE PREPARATION

Substrates must be sound, clean and free from dust, grease, release agents, rust and other materials that reduce adhesion.

Remove weak or loose parts. Pre-wet dry, highly absorbent surfaces in hot weather without leaving standing water.

Use a suitable roughcast or primer on aerated concrete and other highly absorbent or difficult substrates. Brick surfaces may be plastered directly when sound and suitable.

APPLICATION

Prepare the plastering machine according to the manufacturer's instructions and adjust the water to 4.75–5.75 L per 25 kg equivalent.

Spray the material uniformly onto the surface, then level with a straightedge or float. After initial stiffening, scrape imperfections and finish with a lightly damp sponge float if required.

Do not exceed 25 mm in one layer. For thicker applications, allow the first layer to harden sufficiently before the next layer; maximum total thickness is 50 mm. Use reinforcement mesh in the second layer when required.

APPLICATION CONDITIONS

Apply when ambient and substrate temperatures are between +5°C and +35°C.

Protect fresh plaster from frost, rain, strong sun and rapid drying. Lightly mist with water when necessary during curing in hot conditions.

LIMITATIONS

- Do not add foreign materials or additives.
- Do not apply subsequent layers or coatings before the plaster has dried sufficiently.
- Allow at least 1 day before applying a second plaster layer, depending on site conditions.
- Use appropriate substrate preparation on aerated concrete, smooth concrete and other low-adhesion surfaces.

STORAGE & PACKAGING

Pack: 25 kg kraft bag.

Shelf life: 12 months in the original unopened packaging, stored in a cool, dry place and protected from moisture.

HEALTH & SAFETY

Cement-based material may irritate skin and eyes. Wear protective gloves, goggles, suitable work clothing and a dust mask.

For detailed information, refer to the current Safety Data Sheet (SDS).

CLEANING

Clean tools and machine components with water immediately after use. Hardened material requires mechanical removal.

BASIS OF PRODUCT DATA

Technical values are based on laboratory testing at approximately +20°C and 50% relative humidity and may vary with site conditions.

IMPORTANT INFORMATION

Users must assess product suitability for the intended substrate and application. Follow the latest TDS and SDS.

For further assistance, contact the CHELFIX Technical Department.