

58343 Alabaster Plaster

Chemical composition: Semi-hydrated calcium sulfate $\text{CaSO}_4 \cdot \frac{1}{2}\text{H}_2\text{O}$

Product Information:

Fine, white model gypsum.

Product Properties:

- High grinding fineness
- High degree of whiteness
- Does not contain any additives, is not toxic nor caustic, is environmentally safe
- Can be painted over after hardening and priming

Application:

Suitable for creative works such as moulding, structuring, forming and mould casting.

Processing:

- Add Alabaster Plaster slowly to mixing water
- After a soaking period of about 2 minutes, stir strongly and intensively
- Use only stainless tools
- Clean tools with water immediately after use
- The processing temperature should not be below $+5^\circ\text{C}$
- Cure sufficiently before priming

Technical Data

Degree of whiteness:	≥ 80
Sieve residue through 0.2 mm	≤ 0.1
through 0.09 mm	2.0 ± 1
through 0.032 mm	25.0 ± 3
Degree of hydration:	$\geq 82 \%$
Initial stiffening:	$15 \pm 5 \text{ min}$
End of stiffening:	$36 \pm 8 \text{ min}$

Structural Values:

Bulk density:	$850 \pm 30 \text{ kg/m}^3$
Flexural strength:	$\geq 3,5 \text{ N/mm}^2$
Compressive strength:	$\geq 8 \text{ N/mm}^2$
Brinell hardness:	$\geq 12 \text{ N/mm}^2$
Swelling:	ca. 22 mm/m

Mixing Ratio:

Modeling: use about 5 – 6 liters of water for 10 kg Alabaster Plaster.

Mould casting: use about 7 liters of water for 10 kg Alabaster Plaster.