

CERAMIC S



DESCRIPTION

CERAMIC S is a white or light beige hemi-hydrate plaster.

PACKAGING

30kg paper bags, big bags or in bulk.

TECHNICAL CHARACTERISTICS

Plaster/Water ratio: 1.30 kg/l - 1.50 kg/l

Initial Setting Time: 12min ± 3min

Final Setting Time: 27min ± 5min

Fluidity (Vicat ring): 220 mm ± 20 mm

Linear expansion (1 hour): max. 0.20%

Flexural strength (dry): ~ 50 kg/cm²

Absorption Capacity Water: 33 ± 2 %

Residue:

300 micron sieve: ≤ 0.010%

150 micron sieve: ≤ 0.130%

45 micron sieve: ≤ 2.300%



APPLICATION

It is recommended for use in the production of moulds in which pieces are to be formed using a liquid paste (commonly known as casting), particularly in the decorative and functional porcelain and earthenware ceramics industry.

Its precisely calculated formula ensures excellent product strength and porosity.



STORAGE

Plaster based products should be stored under dry conditions.



ADDITIONAL INFORMATION

The technical specifications apply to freshly mixed plaster, made using a plaster/water ratio of 1.300 kg/l and tested under SIVAL lab conditions. In practice this ratio may be adjusted to suit individual application scenarios, provided that the fluidity is kept between the recommended limits.

Users should note that any such adjustments will influence the characteristics of the final product, particularly as regards density, setting times, strength, expansion and water absorption capacity.

Gypsum-based products should be stored under dry conditions, as any absorption of water can lead to changes in their physical properties, such as lower strengths and longer setting times. To ensure the product remains usable, open and partially used sacks should be properly folded over and sealed.

Plaster mould drying temperatures should never exceed 45 °C, to avoid any danger of dehydration and subsequent loss of performance.

Shelf Life - 4 to 6 months depending of the storage conditions.

Since the conditions of handling and application of our products are beyond our control, our liability is limited solely to the quality of same, not contemplating any anomaly arising its improper use.