

# Technical Data Sheet.

## casuplast 1000 – Gypsum machine plaster

### Product description

casuplast 1000 is a single layer gypsum plaster with a high yield for normal purpose. casuplast 1000 is a plaster based on gypsum with an addition of light-weight mineral aggregate (perlite) for use in dry interiors on walls and ceilings. Suitable for kitchens and bathrooms in the home. The surface is usually smoothed though the product can also be used as undercoat plaster for other coatings; casuplast 1000 has been specifically formulated for machine application. Manual application is possible.

### > Technical data and properties

Standard	Gypsum plaster B1 as per EN 13279
Yield as per standard	ca. 1,000 l/t ca. 100 m <sup>2</sup> at 10 mm applied thickness ca. 3.0 m <sup>2</sup> per 30 kg bag
Consumption	ca. 10 kg/ m <sup>2</sup> per 10 mm applied thickness
Water requirement	ca. 15 l per 30 kg bag
Compressive strength	> 2.5 N/mm <sup>2</sup>
Flexural strength	> 1.0 N/mm <sup>2</sup>
Modulus of elasticity	< 2 kN/mm <sup>2</sup>
Thermal conductivity (tabular value)	$\lambda_R=0.36$ W/mK
Grain size	0-1 mm
Water vapour permeability coefficient	$\mu < 8$
Reaction to fire	Building material class A 1, not combustible

### > Logistics and safety

Commercial form	bags and container
Shelf life	casuplast 1000 can be stored in 30 kg bags in dry and protected conditions for 6 months from the date of production.
Safety notes	See safety sheet.

> CE-marking



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CASEA-114 100  
EN 13279-1: 2008  
EN 13279-1 B1  
Plastering of ceilings and walls within buildings

Reaction to fire	A1
Direct airborne sound insulation	NPD*
Thermal resistance	NPD*
Dangerous substances	NPD*

\*NPD Eigenschaft nicht ermittelt, da nicht relevant (No Performance Determined)

### Information

This product data sheet is intended to give advice to the best of our knowledge; it replaces any previous product data sheets. The contents of this product data sheet are not legally binding.

### Substrates

casuplast can be applied on all types of masonry, on concrete and on plaster bases. The substrate must be dry, clean, firm and free from release agents. The residual moisture content of concrete must be below 3%. It is advisable to apply a suitable adhesive primer with a certain percentage of quartz sand on concrete surfaces, in particular on concrete with a smooth formed finish or on slightly absorbent concrete surfaces.

### Processing and processing time

casuplast 1000 is usually applied by machine. For manual processing, casuplast 1000 is scattered into a clean mixing vessel filled with clear, fresh water and the plaster is stirred until free from lumps. A thinner consistency results in a longer processing time, a stiffer consistency shortens the processing time.

The plaster is applied in a suitable thickness, levelled, following partial development of rigidity levelled again, floated and smoothed.

The workability time, following initial mixing, is approximately 150 to 180 minutes. However, the workability time depends on the consistency of the plaster, the ambient temperature and the absorbency of the substrate.

### For further information,

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### Please note

- do not admix foreign substances
- keep to standard plaster thicknesses
- do not use at temperatures below +5°C or above +35°C of the substrate or the ambient temperature
- in the case of changes in the material of the substrate, embed a reinforcement
- the generally recognised rules of the art should be taken into account during application
- do not apply in two layers
- apply a gypsum adhesive primer or a suitable substrate preparation in the case of concrete or other slightly absorbent substrates
- when using the product as undercoat plaster for tiles or heavy coatings, do not smooth or float; instead merely screed vigorously.
- Disposal instructions: GISCODE: CP 1; water hazards class: 1; German regulation regarding safety at work: not applicable