



OPTAPIX AC 112

Additive for slip casting

Chemical basis

Aqueous polymer dispersion

Characteristics

Appearance	white liquid
Active matter	approx. 60 %
Solubility	water-miscible
Density (20 °C)	approx. 1.05 g/cm ³
pH	approx. 8.5
Viscosity (20°C)	approx. 2500 mPas

Shelf-life / Packaging

6 months under proper storage conditions (+2°C to +30°C) | Drums of 25 kg, containers of 1000 kg

Application

OPTAPIX AC 112 brings about an increase in the green and dry breaking strength. Increases up to 100 % are possible.

OPTAPIX AC 112 can be used for conventional casting bodies as well as for pressure casting bodies used in tableware, sanitary ware and technical ceramic applications.

Bodies prepared with OPTAPIX AC 112 show an even and rapid drying behaviour. Cracking due to different shrinkage in the mould is avoided and the dewatering times in the mould are shorter. On account of the body's homogeneity and the high plasticity of the cast pieces, they can be demoulded earlier. However, they are characterized by a good strength. Hollow casting bodies show a good outflow behaviour; streaks are to a large extent prevented.

Bodies prepared with OPTAPIX AC 112 are, in general, characterized by stable rheology.

The amount to be added varies between 0.05 and 0.4 % related to the solids content of the body or slip. The optimum addition quantity must be determined in your own trials.

Note

Store the drums always tightly closed!

The above results have been obtained from trials in our laboratory and plant.
In the light of changing conditions they can serve only as a guide and are therefore offered without obligation.
We ask you to observe the possible rights of third parties.

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