



OPTAPIX AC 95

Temporary binder



Chemical basis:

Aqueous polymer dispersion

Characteristics:

Appearance:	white liquid
Active matter:	approx. 50 %
Solubility:	water-miscible
Density (20 °C):	approx. 1.07 g/cm ³
pH (original):	approx. 9.5
Viscosity (20 °C):	approx. 2800 mPas
Residue on ignition:	max. 0.5 %

Shelf-life / Packaging:

12 months under proper conditions (+ 2 °C to 30 °C), keep tightly sealed drums of 30 and 130 kg, containers of 1000 kg

Application:

OPTAPIX AC 95 brings about an increase in the green and dry breaking strength and increases the edge strength. An adequate degree of these strengths is necessary for the handling properties of the shaped components in further technological processes and for transport within the plant.

OPTAPIX AC 95 can be used during plastic moulding with the extrusion press, in dry pressing, and during the manufacture of spray and build-up granules.

Owing to its good general slip compatibility, this additive is particularly suitable for the preparation of ceramic bodies by spray granulation followed by isostatic pressing. It is often possible to reduce the moulding pressure and to retain the same degree of compaction.

The mode of action of OPTAPIX AC 95 depends on the creation of adhesive forces between the raw material particles. A suitable binder-water ratio allows the formation of a film which attaches itself to the raw material particles.

The amount added is between 1.0 and 2.0 % of the solids content of the body or slip.

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.