



ZUSOPLAST PS 1

Plasticizer / Swelling agent

Chemical basis

Polysaccharide, highly-polymeric

Characteristics

Appearance	beige-coloured powder
Solubility	water-soluble with swelling
Bulk density	approx. 650 g/l
pH (1 %)	approx. 6
Viscosity:(1 %, 20 °C)	approx. 3500 mPas
Residue on ignition	max. 1.5 %

Shelf-life / Packaging

24 months when stored properly and dry | bags of 25 kg

Application

ZUSOPLAST PS 1 is an organic additive; its pronounced swelling properties make it plasticizing even when added in small quantities.

The use of ZUSOPLAST PS 1 makes it possible to reduce the proportion of clay and to process non-plastic materials.

As a result of swelling with the uptake of mixing water, there is also an improvement in green and dry breaking strengths, in addition to the plasticizing properties.

Depending on the particle size distribution, the amount added varies between 0.5 and 2.5 % of the solids content of the body.

ZUSOPLAST PS 1 is also suitable for use as a binder for dry and semi-dry press bodies. The amount added should not exceed 0.1 to 0.2 %, otherwise there could be elastic recovery. It is also possible to dry bodies that are too moist rapidly and simply, when these amounts are added.

