



ZUSOPLAST C 93

Plasticizing and swelling agent

Chemical basis

Cellulose derivative

Characteristics

Appearance	beige-coloured powder
Solubility	water-soluble with swelling
Bulk density	approx. 400 g/l
pH (1 %)	approx. 7
Viscosity:(1 %, 20 °C)	approx. 3500 mPaS
Residue on ignition	approx. 1.5 %

Shelf-life / Packaging

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

Application

ZUSOPLAST C 93 is an organic additive which, on account of its high swelling capacity, has a plasticizing effect when added in small quantities.

The use of ZUSOPLAST C 93 makes it possible to process non-plastic oxide ceramic and nonoxide ceramic materials by extrusion.

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

The dissolution of ZUSOPLAST C 93 is delayed in water of neutral pH, so that it can be dispersed without clumping. Dissolution only begins after a delay of approx. 60 minutes. If the pH is raised into the weakly alkaline region, this dissolution delay is abolished.

Depending on the particle size distribution, the amount added is between 0.5 and 3.0% of the solids content of the body.

Please note that when using ZUSOPLAST C 93 in stock solutions, glazes and/or body slips, antibacterial biocide use is strongly recommended. Consequently, the dosage needs to be adapted to the process conditions.

Adequate products and their specific application instructions can be found on our homepage

