

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 %, 25 °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

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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www.zschimmer-schwarz.com or will be sent to you upon request.

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