



ZUSOPLAST C 39

Plasticizing and swelling agent

Chemical basis

Cellulose derivative

Characteristics

Appearance	beige-coloured powder
Solubility	water-soluble with swelling
Bulk density	approx. 300g/l
pH (1 %)	approx. 7
Viscosity (1.9%, 25°C)	approx. 30000 mPas
Residue on ignition	approx. 1.5%

Shelf-life / Packaging

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

Application

ZUSOPLAST C 39 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 39 makes it possible to process non-plastic oxide ceramic and non-oxide 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.

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

