

# ZUSOPLAST C 31

## Plasticizing and swelling agent



### Chemical basis:

Cellulose derivative

### Characteristics:

Appearance:	whitish powder
Solubility:	water-soluble with swelling
Bulk density:	approx. 300g/l
pH (1%):	approx. 7
Viscosity (1%, 25°C):	approx. 15000mPas
Residue on ignition:	approx. 1.5%

### Shelf-life / Packaging:

12 months when stored properly and dry  
bags of 20kg

### Application:

ZUSOPLAST C 31 is an organic additive, which on account of its high swelling capacity, has a plasticizing effect when added in small quantities. It is used in press bodies and ramming mixes as well as in extrusion bodies. The use of ZUSOPLAST C 31 makes it possible to reduce the proportion of clay and to process non-plastic materials.

When used in insulating brick bodies it is possible to compensate for the lean tendency of the light-weight aggregate.

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% of the solids content of the body.

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.