



ZUSOPLAST WE 52

Binding and pressing agent / Lubricant



Chemical basis:

Non-ionic wax dispersion

Characteristics:

Appearance:	white liquid
Active matter:	approx. 50 %
Solubility:	water-miscible
Density (20 °C):	approx. 0.96 g/cm ³
pH (10 %):	approx. 4
Viscosity (20 °C):	approx. 100 mPas
Residue on ignition:	max. 0.1 %

Shelf-life / Packaging:

6 months under proper conditions; protect from frost!
drums of 25 and 120 kg, containers of 950 kg

Application:

ZUSOPLAST WE 52 is used as binder and pressing agent for the manufacture of ceramically bonded abrasive tools.

During processing 2.0 to 8.0 % of the additive is added to the body as make up water and mixed in homogeneously. Then, in the case of bodies for automatic machines, the water is evaporated by drying at 70 to 80 °C.

This causes a uniform wax layer to form on the surface of the particles, which acts as a pressure-equalizing agent during the moulding process, thus leading to a more homogeneous compaction, and reduction of internal friction.

At the same time the friction between the body and the mould wall is reduced, so that wear and tear on the mould is minimised.

ZUSOPLAST WE 52 also increases the dry breaking strength, which makes it possible to process the pressed abrasive tools while they are green.

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.