



# GLYDOL N 109 NEU

## Wetting agent for carbon

### Chemical basis

Polyglycol ether

### Characteristics

Appearance	colourless liquid
Solubility	water-miscible
Density (20 °C)	approx. 0.99 g/cm <sup>3</sup>
pH (10 %)	approx. 6
Viscosity (20 °C)	approx. 100 mPas
Residue of ignition	max. 0.5 %

### Shelf-life / Packaging

12 months under proper storage conditions | drums of 25 or 125 kg

### Application

GLYDOL N 109 NEU is used to wet carbon. The sources of carbon are generally very poorly wettable and this additive allows to incorporate them better into the ceramic bodies.

The amount added varies between 0.1 and 1.0 % of the solids content of the body, depending on the carbon content. The product can be added with the mixing water in order to bring about more rapid, homogeneous distribution.

The wetting agent can also be added to clay-containing ramming mixes and extrusion bodies, in order to increase their plasticity, or to reduce the amount of mixing water for the same plasticity.

Efficacy of the wetting agent GLYDOL N 109 NEU depends on its surface activity, which leads to reduction in the surface tension of the mixing water.

The reduction of the surface tension also leads, as a result of better wetting, to optimised incorporation within the silicate lattice of swellable clay minerals and to an optimal distribution of water through the whole 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.  
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