

# ECOPON 45

## Rheological additive



### Chemical basis:

Hydrocolloid preparation

### Characteristics:

Appearance:	beige-coloured powder
Solubility:	disperses in water to form a gel
Bulk density:	approx. 500 g/l
Viscosity (1%, 20°C):	approx. 350 mPas
Residue on ignition:	approx. 52%

### Shelf-life / Packaging:

12 months when stored under proper and dry conditions  
bags of 25 kg

### Application:

ECOPON 45 is a non-foaming suspension stabilizer for glazes and frits which tend to separate by setting. ECOPON 45 is suitable for the application of sanitary glazes by hand and spray-robot. It improves the bond between body and glaze and provides a touch-resistant finish. Cracking and crawling will not be observed.

Glazes containing ECOPON 45 can be applied to vertical surfaces without the risk of streaks or excess lines on the edges.

Additions that ensure a good performance in most cases are between 0.3 and 0.6% on dry glaze. The product should be added to the glaze about one hour before the end of the milling time. It is even better to add it to the glaze slurry by means of a high-speed stirrer, the stirring time being about half an hour. After a swelling time of 6 hours, the glaze is ready for use.

Please note that when using ECOPON 45 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 [www.zschimmer-schwarz.com](http://www.zschimmer-schwarz.com) or will be sent to you upon request.

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.