



CM-138 Glaze Binder

Description

CM-138 is a modified-polymer binder for ceramic glazes, that provides ceramists a novel combination of properties. Aqueous solution of these polymers and additive are pseudoplastic and surface-active. Other remarkable advantages resulting from the product utilization are the following.

- Increase of the raw glaze resistance and better fixing to the body
- During dipping the slip glaze will not be easily settling to the bottom and prevent hard sediment
- Glaze can be reduced for 20-30% less water, when add CM-138 in more amount (>0.5-1.5% of dry glaze) therefore the applied glaze layer is more compact and resistant
- Superior dispersing, fluidizing and stabilizing capacity to water suspension of solid substance
- Defoamer aid added and better dispersing, reduce the mill base viscosity
- Biocide is added and cleans burning out

Use

The product is mostly added in the mill or on line 0.2-0.5% based on the dry weight of the glaze. In the alkaline frit glazes a small addition of 0.05-0.15% can improve the fluidity and suspending capacity.

Typical Properties

Chemical Nature:	Solution of acrylate-copolymer containing rheology modifier, defoamer and small amount of preservative.
Appearance:	Viscous cloudy liquid
Solubility:	Water-soluble
Density (g/ml):	1.015
Viscosity (Gardner):	2000-2700 cps
pH-value	5-6
Storage Duration:	Unlimited under normal
Packing:	Plastic container 1, 5, 25 kg.