



OPTAPIX C 25 G

Binder for glazes and engobes

Chemical basis

Purified sodium carboxymethylcellulose

Characteristics

Appearance	yellowish granulate
Moisture content	8 % maximum
Solubility	readily water-soluble
Bulk density	approx. 600 g/l
pH (1 %)	approx. 7
CMC content dry	approx. 99 %
Viscosity (2 %, 25 °C)	approx. 130 mPas

Shelf-life / Packaging

12 months when stored properly and dry

bags of 25 kg

Application

OPTAPIX C types differ by their degrees of polymerization and hence the viscosities of their aqueous solutions.

OPTAPIX C types are used in glazes and engobes as viscosity adjusting, non-foaming binding agents. They improve the abrasion resistance, give glazes or engobes a good fit and prevent running.

Sodium CMC being a polyelectrolyte, the low viscosity, i.e. short-chain types like OPTAPIX C 12 G / C 25 G, have a deflocculating effect besides their binding property.

As far as the sodium CMC types with a medium degree of polymerization, such as OPTAPIX C 50 G, are concerned their electrolytic effect is to a large extent compensated by their increased intrinsic viscosity; they, therefore, have a rather neutral effect on the viscosity of the glaze slip, at the usual addition quantities.

High polymer types such as OPTAPIX C 200 G / C 1000 G have a thickening effect on the glaze

