

Sapetin[®] D 20

Dispersant and plasticizer

Chemical description

Sapetin D 20 is an aqueous solution of modified phosphonic acid salts.

Mode of action

Sapetin D 20 alters the zeta potential. It thus cancels the forces of attraction between fillers and pigments and counteracts agglomeration.

Specification (average values)

Solids content:	approx. 40,0 %	007 *)
Density (20°C):	approx. 1,42 g/cm ³	042 *)
pH value:	approx. 11,5	008 *)
Viscosity (20°C):	approx. 100 mPas	053 *)
Solubility:	Freely miscible with water	
Appearance:	colourless to yellow coloured solution	

*) Internal method code – description available on request

Properties

- permits the production of highly concentrated dispersions.
- Improves the workability and flow of cement mixes and suspensions containing cements.
- Is highly reactive.
- Low addition rates suffice for good efficiency.
- Allows porcelain castings to be removed without damage from gypsum moulds.
- Is particularly effective in dispersing silicate fillers, e.g. kaolin.
- Has chelating properties, e.g. bonding iron

Application

Sapetin D 20 is a dispersant for mineral fillers, e.g. kaolins, calcium carbonate minerals, metal oxide pigments, etc. It is also a plasticizer for self-levelling floor finishes, ceramic compounds, concrete-bonding mortars, cement finishing coats, and cement products.

Note

The optimum dosage for Sapetin D 20 can be determined by plotting a dispersant requirement curve. By this means, any tendency to flocculation can be counteracted.

Storage

Sapetin D 20 must be protected from frost during storage. Its shelf life in the original containers is at least one year.

Labelling / Safety

Please see safety data sheet

Packaging

30 kg can
270 kg drum
Container

10/2015

