



SapetinTM D 20

**Dispersant and
plasticizer**

NATURE

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

EFFECT

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

PRODUCT SPECIFICATION (average values)

Solids content	ca. 40 %
Density (20° C)	ca. 1,4 g/cm ³
pH value	ca. 11,5
Viscosity at 20°C	ca. 110 mPas
Solubility	Freely miscible with water
Physical form	Clear, colourless solution

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

FIELDS OF 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.

INSTRUCTIONS ON USE

The optimum proportioning rate 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.

RISK AND SAFETY PHRASES

The product is labeled in accordance with the UE Guidelines on Classification and Labelling:

Xi Irritating

It is recommended that the following R and S phrases be observed:

R 36 / 38

S 25 – 26 – 36/37/39

DELIVERY

30 kg canisters

270-kg drums

Any technical application recommendations, verbal or in writing, provided by us in good faith to our customers/users for their assistance and on the basis of our experience and present state of knowledge are absolutely noncommittal. This also applies to any existing industrial property rights or foreign statutory provisions. Any recommendation of ours can therefore not be regarded as a legal relationship or contractual commitment, nor does it establish any sales contract deed of covenant. It is the buyer's responsibility to examine the suitability of our products for their intended application.