

Use

Polymeric VOC-free wetting and dispersing agent for the deflocculation of inorganic and organic pigments incl. fillers in different non aqueous systems.

Composition

modified polyurethane in a VOC-free carrier (boiling point >250°C)

Specification

Appearance (8000)	viscous yellow liquid
Density (25°C) (ISO 2811-3)	1,00-1,15 g/cm ³
Viscosity, Brookfield (Brookfield) (RVT #4, 10rpm, 25°C) (ISO 2555)	4000 -10000mPas

Additional data

Amine value (8001)	10 - 14 mg KOH/g
Active content	50%

Properties

TEXAPHOR SF 73 is a dispersing additive for organic and inorganic pigments in UV-based pigment pastes. It is also suitable for a number of other non aqueous lacquer/ink-systems, especially where a voc-free dispersing additive is required (e.g. in high quality solventborne industrial applications – such as 'High Solids' systems)

TEXAPHOR SF 73 reduces the dispersing time and the millbase viscosity and thus facilitates the formulation of highly concentrated pigment pastes. After the pigment paste has been blended into a varnish, TEXAPHOR SF 73 prevents flooding and floating of pigments and promotes excellent gloss and high color intensity.

Additionally TEXAPHOR SF 73 imparts in reactive resins based on 2-Pack PUR, 2-Pack Epoxy and also in unsaturated polyester systems an excellent and rapid homogenisation of different fillers used in this applications.

TEXAPHOR SF 73 is compatible with a broad range of different binder systems.

Application

Typical applications are:

- UV-reactive systems (radical and cationic curing)
- 2-Pack-Epoxy resin Systems
- physically drying acrylic systems
- 2-Pack-PUR-Systems
- High solid systems
- Unsaturated polyester

Dosage

TEXAPHOR SF 73 should be blended with the pigments in the millbase. The optimal amount to be added to a given system must be determined by testing.

Typical dosages are (supplied form calculated on pigment):

- TiO₂ 4-6
- inorganic pigments 12-17
- organic pigments 30-50
- carbon black 70-120

Regulatory Status

ENCS/MITI, ECS, TSCA, EINECS

Miscellaneous

Haziness may occur at storage or transport at temperatures below + 5° C.

If necessary, heat the product up to room temperature, then the product will become clear.

A loss in performance does not occur.

Revision-No.

5-09.2005 Effective September 2, 2005

Subject to appropriate storage under the usual storage and temperature conditions, our products are durable for at least 2 years.

Suggestions of processing and using our products are given with best knowledge and information but without obligation. COGNIS does not accept any guarantee to the suitability of a product for the user's specific purpose. Furtheron the user himself assumes a liability to follow all legal regulations by using our products. The user can only pass on our sample to third parties with previous assent of COGNIS.

