



Technical Data Sheet

DUMAPERSE 321

Dispersing Agent

Product Description

Dispersing agent for solvent based/ solvent free systems, for inorganic pigments and fillers.

Primary Usages

Industrial paints and varnishes,
Wood coatings,
Protective coatings,
Floor coatings

Recommended Process

The additive should be added into the millbase and premixed in the binder or solvent before the pigment is added.

Product Features

Prevents flocculation with steric effects and keeps system stable.
Uses for both solvent free and solvent based systems.
Increases gloss of top coats.

Technical Specifications

Test

Chemical Structure
Solid Content (5 min. 125°C, %)
Appearance
Viscosity (25°C, mPa.s)
Density (gr/ml, 20°C)
Acid Value (mg KOH/g)

Range

Copolymer of Carbox. Acid Ester
96 - 100
Yellow/Colorless Clear Liquid
1000 - 2000
1,12
90 - 110

Dilutability

Water	Limited
Ethyl Alcohol	Complete
Butyl Alcohol	Complete
MPA	Complete
Aliphatic Hydrocarbon	Insoluble
Butyl Acetate	Complete
Xylene	Complete

Usage Ratios

(% by weight as supplied based on pigment amount)

Titanium Dioxide	2,0 - 3,0
Inorganic Pigments	10,0 - 20,0
Organic Pigments	-
Carbon Black	-
Extenders	0,3 - 0,8
Co-grinding Systems	0,3 - 1,0

Compatibility

Long oil alkyds	Incompatible
Short/Medium oil alkyds	Complete
Thermoplastic acrylics	Complete
Nitrocellulose	Incompatible
Epoxy resins	Complete
Polyester resins	Complete
Acrylic PU	Complete

Storage and Shelf Life Condition

The product should be stored indoors in original, unopened, undamaged container in a dry place at storage temperature between 5-35 °C. Exposure to direct sunlight should be avoided.
The shelf life of the resin which under the mentioned storage conditions is 24 months.

Material Safety

A Material Safety Data Sheet for this product is available on request.

The information in this data sheet is to the best of our knowledge correct at the date of printing. They merely serve the purpose of informing our customers and do not relieve them from examining themselves the suitability of the described products for the intended purpose. Since conditions of the application are beyond our control, no liability can be accepted on the basis of this data sheet.