

DAPRO® FK 321

Resistance Reducing Agent

GENERAL INFORMATION

DAPRO FK 321 is an effective auxiliary for reducing the resistance of paints that are sprayed electrostatically.

CHEMICAL & PHYSICAL PROPERTIES

Appearance 20 °C	clear liquid
Active content	approx. 75%
Density, 20°C (ISO 2811-2)	approx. 940 kg/m ³
Viscosity, 25°C (ASTM D 2196)	approx. 125 mPa.s
Color, 7% in water (DIN 53995)	max. 75 Apha
Solubility	soluble in 2-propanol and xylene
Flash point (ASTM D 65)	27-29°C
Composition	quaternary ammonium compound
Ionic character	cationic

These are typical properties not to be used for specification purposes.

APPLICATIONS

- DAPRO FK 321** can be applied to various paint systems, such as alkyd melamine baking enamels, acrylic baking enamels and similar. In air-drying systems, **DAPRO FK 321** might cause after-tack owing to its cationic character. This makes the product less suitable for application in these paint systems.

KEY PROPERTIES

- In many cases the electrical resistance of paint is too high to enable it to be sprayed electrostatically. However, with the addition of **DAPRO FK 321** the resistance of the paint is not only reduced but can also be controlled to the required degree. Also, when **DAPRO FK 321** is used, the addition of high amounts of a polar solvent for the same purpose is superfluous.

INCORPORATION

The addition level of **DAPRO FK 321** is normally between 0.1 - 2.5% calculated on the total amount of paint. However, the actual quantity strongly depends on the nature of the paint system in question. **DAPRO FK 321** can be added during any stage of paint manufacture.

Example:

The influence of **DAPRO FK 321** in an acrylic baking enamel:

Without auxiliary product : 50,000 k.Ohm

With 0.2% of **DAPRO FK 321**: 6,500 k.Ohm

With 1.0% of **DAPRO FK 321**: 700 k.Ohm

HEALTH AND SAFETY

Before using this product please consult our Safety Data Sheet (SDS) for information on safe handling and storage. The SDS can be found on the company website.

SHELF LIFE

DAPRO FK 321 has a shelf life of 3 (three) years from date of manufacture.

QUALITY ASSURANCE

Since 1992 the company is a holder of the ISO 9001 / ISO 9002 certificates, which guarantees that all operations are conducted according to the stipulated standards.

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