

TECHNICAL DATA SHEET

Mowiplus DA 45

Characteristics

Mowiplus DA 45 is the sodium salt of a polyacrylic acid in aqueous solution, APEO FREE.

Recommended Applications

Wetting and dispersing agent

Specification

These technical data are determined for each lot before its release by our quality control laboratory.

Specification	Unit	Value
Solid Content	%	44,0 – 46,0
Viscosity RVT BROOKFIELD (sp.3/50/25°C)	mPa.s	300 - 600
pH Value	-	6,0 – 8,0

This Data is used only to describe the product. There are not subject to constant monitoring or part the specification.

Additional Data	Unit	Value
Density	g/ml	1,20 – 1,30
Appearance		Liquid light brown, slightly cloudy

Applications

The product is used as wetting and / or dispersing agent for inorganic pigments and fillers in emulsion paints with high and medium pvc. Very often it is combined with commercial polyphosphates. It checks to the paints excellent rheology and resistance.

This product has an advantageous effect on the storage stability of high pvc paints, thus prevent viscosity increases.

Processing

Compatible with glycol (for dispersions of pigments), acrylic and vinyl emulsions with surfactants anionic and no-ionic.

Paints produced with Mowiplus DA 45 present excellent stability during the storage

This alsopromotes intense colors. It allows the preparation of pigment dispersions with high solids contents.

It inhibits the increase of viscosity of the paints that contains starch, even those stored for long period, in high temperatures.

It stabilizes the suspension of such inorganic pigments as china clay, oxide of calcium, hydroxide of aluminium, dioxide of titanium, talc, etc. Ionic character of the solution: anionic.

Compatibility with substances:

- Anionic: good
- No ionic: good
- Cationic: previous experiences are recommended
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Over dosage of Mowiplus DA 45 may affect coagulation of sensible dispersions. Trials must be carried out to determine any incompatibilities in case of significant over dosage. A too high amount of Mowiplus Dalso influences the water sensibility of emulsion paints in a negative sense.

In the application, through studies, it is observed that the ideal is 0,28% of dispersant on the pigment(solid-on-solid) in a dispersion of dioxide of titanium, type rutilo. In most of the formulations, the addition of 0.2 to 0.5 % of Mowiplus DA 45(solid-on-solid) It satisfies fully, and a dispersant excess is harmful. It should be taken into account the percentage to be used with the dispersion viscosity with several pigments and involved loads.

Preservation and Storage

Product should not be stored for longer than 6 months before processing. As far as possible, storage should be at a uniform temperature in the region of 5- 25°C. The product should, in principle, be kept away from frost.

The technical data ascertained by our quality control laboratory at the time of product release may vary according to the storage conditions and may deviate from the stated limits.

Industrial Safety and Environmental Protection

Not a hazardous substance within the meaning of the current Dangerous Substances Regulations (GetStoffV).

A safety data sheet is available on request.

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