

## TECHNICAL INFORMATION

### Mowiplus® XW 330

#### Characteristics :

- Mowiplus XW 330 is an aqueous solution of ammonium salt of a low molecular weight polyacrylic acid

#### Stabilization

- Surfactants

#### Recommended uses

- Wetting and Dispersing agent for the pigments & extenders

#### Specification

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

#### Properties

SPECIFICATION	Unit	Value
Solid Content(DIN 53/ISO 1625)	%	30±2
Viscosity (ISO 2555; 25°C) Brookfield viscometer RVT; spindle no.2; 20rpm	Cps	50-350
pH Value (DIN 53 785 / ISO 1148)	-	6.5-8.5
<i>Appearance</i>		Light yellowish liquid solution

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### **Application**

Mowiplus XW 330 , together with polyphosphates (e.g Calgon N), is used in emulsion paints for dispersing and wetting pigments and extenders. The product can be employed for all the usual emulsions, e.g homopolymer and copolymer polyvinyl acetate, poly acrylic and styrene/acrylic copolymer dispersions. Mowiplus XW 330 improves the storage stability of highly pigmented emulsion paints and prevents them from thickening.

### **Process**

The quantity of Mowiplus XW 330 used depend on the type and quality of pigments and fillers in the paint formulation. Generally the quantity added is 0.1 to 0.4 % (solids Mowiplus XW 330 calculated on pigment plus filler). Together with polyphosphates wetting, especially of silicates- containing extenders and anatase grades of Titanium di-oxide, is exceptionally good. A suitable amount is about 0.2% Mowiplus XW 330 and 0.2% Calgon N (always in terms of solids on the pigment/extender mix), an excess of Mowiplus XW 330 is liable to set off an electrolytic effect which produces coagulation, particularly when emulsion systems are sensitive. When more Mowiplus XW 330 is used, the compatibility must be established by preliminary tests. For the manufacture of emulsion paints Mowiplus XW 330 must be added to the pigment paste or the dispersion as a solution which has to be diluted 1: 3 with water.

### **Preservation and storage**

We recommend storing the material in a dry, cool and airy place, at temperatures not exceeding 25 ° C in its original container properly sealed.

Opened containers should be closed after use. In case of residual material, should be consumed as soon as possible.

### **Industrial Safety and Environmental Protection**

Mowiplus<sup>®</sup> XW 330 is a non-toxic aqueous dispersion and there is no risk handling this product during application. Basic rules for handling chemicals should be maintain (see data sheet).

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