

DISPERSANT DMA 40

Dispersing Agent for Pigments and Extenders in Aqueous Systems

Paint Auxiliary

1/12

INTRODUCTION

DISPERSANT DMA 40 is an APEO free, highly effective liquid dispersant for pigments and extenders in aqueous systems. The product is compatible with all common synthetic emulsions, creates little foam and is effective in a wide pH range.

The use of **DISPERSANT DMA 40** is very favourable in case of storage stability of highly filled emulsion paints and mostly avoids thickening.

TYPICAL PROPERTIES

Appearance	Viscous, clear liquid
Composition	Sodium salt of polycarboxylic acid
Solid Content	40 ± 0.5%
Viscosity (LVT 3/12)	2000 cps max.
pH	5.0 - 6.0
Solubility in Water	Soluble in water
Ionic charge	Anionic

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APPLICATION

Normally **DISPERSANT DMA 40** is added in emulsion paints with 0,1-0,3 % calculated on pigments / extenders. The really required quantity essentially depends on the type of the pigments / extenders used and should be determined from case to case (determination of the optimum quantity of the dispersing agent.) **DISPERSANT DMA 40** can be added alone or combined with polyphosphates (i.e.Calgon N).For combined addition mixing proportions of 1:2 to 2:1 has proved to be effective. If more than 1 % of **DISPERSANT DMA 40** is added it should be tested whether the water sensibility of the film increases. In emulsion paint procedure **DISPERSANT DMA 40** normally has to be added before addition of pigments / extenders. If necessary **DISPERSANT DMA 40** can also be applied later.

PRODUCT HANDLING – STORAGE – SHELF LIFE

It is not expected that this product will give rise to any storage or handling difficulties if properly stored in original packings or in clean, covered, suitable containers at normal temperatures (5 - 40 °C) for a maximum period of 12 months. The product must be protected from freezing. If crystallized, allow to thaw by heating and stir well before use. Exposures to extremes of heat and cold should be avoided and special signs and instructions indicated on original packings should be carefully observed.