



POLIDENE[®] 33-083

INTRODUCTION

Polidene 33-083 is a carboxylated copolymer of vinylidene chloride and an acrylic ester. It has a high vinylidene chloride content and has been specially developed for use as a binder for water based metal primers and rust conversion coatings. It is an APEO free resin.

CHARACTERISTICS

(Not to be taken as a specification)

Solids content	%	60
Viscosity at 25°C (Brookfield RVT, Spindle 1, 50 rpm)	mPa s	50
pH*		2.5
Particle size	nm	150
Emulsifying system		anionic
Minimum film formation temperature**	°C	12
Glass transition temperature(measured)	°C	16
Specific gravity at 20°C		1.3

* The pH of Polidene 33-083 (like all similar PVdC emulsions) tends to fall slowly. Adjustment should be made, if required, with aqueous ammonia solution. Any one such addition should not exceed 50 cm³ of 35% ammonia solution in 1 litre of water per 225 kg drum of emulsion. The water, and any water used to dilute the emulsion, should be free from iron in order to avoid discolouration.

** Determined by metal bar with temperature gradient.

APPLICATIONS

Polidene 33-083, due to its high vinylidene chloride content, develops crystallinity after film formation, resulting in a high degree of water resistance.

Polidene 33-083 has been specially developed for use as a binder for water based metal primers. Properly formulated paints show excellent resistance to hostile environments.

This product will exhibit excellent water vapour and gaseous barrier properties for many coating applications.
Polidene 33-083 is an APEO free resin.

PACKAGING

Polidene 33-083 is supplied in drums. Bulk supplies are delivered by road tanker.

STORAGE

Polidene 33-083 can be stored in the containers in which it is supplied. Contact with common metals such as mild steel, copper, zinc, or aluminium should be avoided.

Protect from frost.

HEALTH & SAFETY

Please see separate material safety data sheet.

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