

PLEXTOL D 509 is a ready-for-use finely dispersed aqueous dispersion of a methacrylic ester-acrylic ester copolymer. The dispersion contains an anionic/nonionic emulsifier system and is free from film forming aids, solvents and plasticizers.

For further information regarding this product please refer to:

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Property	Typical Value	Unit	Method ¹
Solids Content	50	%	ISO 3251
pH Value	7.5		ISO 976
Viscosity	500	mPa s	ISO 1652
Glass Transition Temperature	15	°C	
Density	1.05	g/cm ³	
Mean Particle Size	0.15	µm	
Minimum Film-Forming Temperature	14	°C	
Surface Tension	40	mN/m	
Water Absorption (24h)	11	%	
Tensile Strength	5	N/mm ²	
Elongation at Break	400	%	

¹ internal method based upon the specified norm

Application Advice

Above minimum film forming temperature PLEXTOL D 509 forms a clear, tack-free film. PLEXTOL D 509 is a pure acrylic dispersion, which is particularly stable against electrolytes and saponification resistant. The dispersion is especially used in hydraulically setting systems and has a liquefying effect, which renders a reduction of the water/cement ratio possible. By the addition of PLEXTOL D 509 plasticity and wet adhesion and consequently workability of mortars are improved. Following final properties of mortars are improved: flexural strength, adhesion, abrasion resistance, shrink/swell behaviour, water resistance, chemical resistance. Applications for PLEXTOL D 509 are: PCC-mortars in general, plasters for trowel applications, primers, sealers, floor screeds, self-levelling compounds, industrial floorings, and building adhesives. The addition of film forming aids is not necessary, when end products are applied in thick layers.

PLEXTOL D 509 is preserved against bacterial and fungal attack. In the manufacture of finished products, the material has to be retreated, as usual, with suitable biocides to give enhanced preservation.

Shipping and Storage

This product is supplied in road tankers or in non-returnable plastic drums secured by a lid with clamping ring or in non-returnable palletized bulk containers (net volume 1.000 lt). The product must be protected from frost and exposure to direct sunlight. Storage temperatures between +5 °C and +30 °C are recommended. The product contains in-can preservation to protect it against microbiological attack during transportation. For protection against microbiological contamination during storage stringent plant hygiene is essential. Depending on the storage conditions addition of suitable preservatives may be necessary. Care must be taken that drums and containers are properly closed. During storage, shipping and handling contact with metal surfaces that are not corrosion protected must be avoided. When stored properly, the product has a shelf life of 6 months from the date of delivery.

Product Safety

Before handling, please read the Safety Data Sheet of this product for advice on safety, use and disposal.