

PLEXTOL D 512 is a finely dispersed aqueous dispersion of a methacrylic ester-acrylic ester copolymer. The dispersion contains an anionic emulsifier system and is free from APEOs, 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	8.0		ISO 976
Viscosity (Brookfield LVT Spindle 2/6 Upm)	2500	mPas	ISO 1652
Glass Transition Temperature	26	°C	
Density	1.04	g / cm ³	
Mean Particle Size	0.1	µm	
Minimum Film Forming Temperature	17	°C	
Surface Tension	42	mN/m	
Water Absorption (24h)	7	%	
Tensile Strength	10	N/mm ²	
Elongation at Break	200	%	

¹ internal method based upon the specified norm

Application Advice

When applied above its minimum film forming temperature PLEXTOL D 512 forms a clear, tack-free film. PLEXTOL D 512 is a non-yellowing, light-resistant pure acrylic dispersion, which is characterized by excellent weatherability. PLEXTOL D 512 can be used as an all-round binder in many applications. Primary applications are: high-grade, non-yellowing coatings for cementitious systems including concrete structures and roof tiles, synthetic resin plasters and primers for mineral substrates.

PLEXTOL D 512 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 1000 L). 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.