

# deffner & Johann

Supplies for RESTORATION | CONSERVATION | ART HANDLING – SINCE 1880

## TECHNICAL DATA SHEET

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## PLEXTOL D 512

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	Value	Unit	Method*
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 <sup>3</sup>	
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 <sup>2</sup>	
Elongation at Break	200	%	

\* internal method based upon the specified norm

### **Application Advice**

Above 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. Masonry paints based on PLEXTOL D 512 exhibit a reduced dirt pick-up. PLEXTOL D 512 can be used as an allround binder. Primary applications are: high-grade, non-yellowing facade paints, synthetic resin plasters, coatings for concrete roof tiles, tinting paints, coatings for concrete, and primers for mineral substrates

### **Processing**

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**

PLEXTOL D 512 is supplied in road tankers or in non-returnable plastics drums secured by a lid with clamping ring or in non-returnable palletized bulk containers (net weight 1,000 kg). PLEXTOL D 512 has to be stored protected from frost and, as far as possible, below 40 °C. Storage at temperatures between + 5 and + 30 °C is recommendable. PLEXTOL D 512 contains a preservative to counter microbial attack during transportation. To protect it against germination during subsequent storage, absolutely stringent plant hygiene and, under certain circumstances, the addition of suitable preservatives will be necessary. Care must be taken to ensure that drums and storage containers are tightly closed. During processing, storage and transport of the product contact with metals unprotected against corrosion (likewise non-ferrous metals) has to be avoided. When stored correctly PLEXTOL D 512 has a storage life of 12 months from date of delivery.

### **Product Safety**

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

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