

PLEXTOL™ X 4002 is an aqueous, high solids dispersion of an acrylic ester copolymer with good cement-compatibility. 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:

Construction Synthomer

eMail: Construction@synthomer.com

Property	Typical Value	Unit	Method ¹
Total Solids Content	59.5	%	ISO 3251
pH Value	2.5		ISO 976
Viscosity	1000	mPa·s	ISO 1652
Minimum Film Forming Temperature (MFPT)	0	°C	
Glass Transition Temperature (Tg)	-41	°C	
Density	1.0	g/cm ³	
Mean Particle Size	0.55	μm	
Surface Tension	40	mN/m	

¹ internal method based upon the specified norm

Application Advice

Above the minimum film forming temperature, PLEXTOL™ X 4002 forms a clear, tacky film. PLEXTOL™ X 4002 is an especially soft, cement-compatible pure acrylic dispersion, which is suitable as an elasticizing additive. It is suitable for cement containing systems applications such as flexible two-component waterproofing. For the addition to hydraulically setting systems, it is recommendable to adjust the pH value by means of diluted sodium hydroxide solution. The dispersion must be homogenized before use.

PLEXTOL™ X 4002 is preserved against bacterial and fungal attack. Finished products made using PLEXTOL™ X 4002 should be preserved with appropriate biocides in order to obtain the required shelf-life.

For additional information, please contact our Technical Service team.

Shipping and Storage

PLEXTOL™ X 4002 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™ X 4002 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™ X 4002 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. When stored correctly PLEXTOL™ X 4002 has a storage life of 12 months from date of delivery. However a slight cream formation cannot be ruled out. It is therefore advisable that the dispersion, should be stirred, or mixed. 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.

Product Safety

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