

REVACRYL AE 3020

REVACRYL AE 3020 is a finely dispersed, aqueous dispersion of a acrylic ester-styrene copolymer. The dispersion contains an anionic 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	Value	Unit	Method*
Solids Content	50	%	ISO 3251
pH Value	7.5		ISO 976
Viscosity (23°C, 100 1/s)	250	mPas	ISO 3219
Glass Transition Temperature	- 2	°C	
Density	1.04	g/cm ³	
Mean Particle Size	0.1	µm	
Minimum Film Forming Temperature	0	°C	
Surface Tension	42	mN/m	
Water Absorption (24h)	12	%	
Tensile Strength	4	N/mm ²	
Elongation at Break	1200	%	

* internal method based upon the specified norm

Application Advice

Above minimum film forming temperature REVACRYL AE 3020 forms a clear, slightly tacky film. The low minimum film forming temperature is achieved exclusively by appropriate adjustment of the styrene/acrylic ester ratio in the polymer and enables end products to form films without addition of film forming aids and plasticizers. REVACRYL AE 3020 is suitable in particular for production of elastic coatings with high extensibility and small water absorption. REVACRYL AE 3020 is highly compatible with conventional pigments and fillers. At very high pigment volume concentrations and when fillers having a large specific surface are used, the requirement for wetting agent to produce a coating material with a good storage stability should be carefully determined. DEHYDRAN® 1620 is recommended as effective defoamer.

Processing

REVACRYL AE 3020 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

REVACRYL AE 3020 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). REVACRYL AE 3020 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. REVACRYL AE 3020 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 REVACRYL AE 3020 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.