



EMULTROL E-43-27



DESCRIPTION

EMULTROL E-43-27 main function is to improve adhesion upon non-polar substrates and polymeric dispersion cardboard. It has an excellent compatibility with acrylic resin dispersions, PVA, EVA, SBR, NBR and polyurethane. EMULTROL E-43-27 has good wetting properties on silicone paper and is highly stabilised against the effects of oxidation and the action of ultra-violet rays. The emulsion is comprised of extremely fine particles, therefore does not scratch application cylinders, and the product is highly stable during storage. The addition of additives with a highly acid pH may cause the dispersion to become unstable. Equally, the addition of cationic substances should be avoided.

PRODUCT CHARACTERISTIC

	Values	Method
Aspect	Whitish liquid	
Composition	Highly stable resin emulsion	
Density	1,02 ± 0,01 kg/l	
pH value	6,5 ± 0,5	
Viscosity	< 1.500 mPa.s	RV8, Spindle 3, 50 rpm 20 °C
Minimum stability	3 months between 10 and 25 °C	
Flash point	Not applicable	
Boiling point	100 °C	
Precautions	Store indoors in a cool, well-ventilated place. Keep closed and avoid temperatures below 0 °C.	

TECHNICAL INFORMATION

	Values	Method
Active matter content	55 ± 1 %	
Residue soft point	65 ± 5 °C	
Acid index: (mg KOH/g residuum)	< 50	
Recommended proportion of the tackifier	20 – 40 %	
Stability	< 1 %	Sedimentation after 15 minutes. 3.500 r.p.m.
Particle size average	< 0,1%	
TG temperature	8 – 10 °C	



ADMISSION FOR THE FOOD INDUSTRY

This tackifier emulsion complies with FDA regulations, number 21 CFR 175-105, 176-170, 176-180, 176-300.

APPLICATION

The resin emulsion acts as modification component in 1- and 2-component aqueous adhesive and adhesive coating systems. This emulsion is added to different based aqueous plastic dispersions to achieve a permanent adhesiveness on bonding surfaces of the films. It is used as well to achieve a long open time. A typical application for this emulsion is for example the modification of aqueous primer dispersion adhesives for the coating of adhesive stripes, labels and film materials. We can specially recommend you EMULTROL E-43-27 for adhesives, where it must be given a high hydrolysis and ageing resistance.

COMPATIBILITY

This resin emulsion is good compatible with all classic and aqueous based adhesives and coating binders. Depending on the application form it must be added 20 -40 % for the modification of permanently adhesive coatings and primers. To achieve an excellent compatibility, the basic polymer dispersions must be adjusted regarding to the pH value.

CLEANSER AND DILUENTS

If EMULTROL E-43-27 must be diluted this should occur with water. Water is also used for the cleaning of pure resin emulsions residues. Dried films and contaminations can be removed for example with hydrocarbons, special petrol, etc. Stirring drums and working tools should be cleaned with water at the end of the production.

STORAGE

At a proper, dry and cool storage in its original drum the storage stability will be at least 3 months. The optimum storage temperature will be between 10 and 25 °C.

PRODUCT SAFETY

This product needs no labelling according to the actual regulations for dangerous goods and to the EG guide lines.

* Further details you can find in our Safety Data Sheet.

PACKAGING

200 kg drums.



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