



## EMULTROL E-185 TP



### DESCRIPTION

EMULTROL E-185 TP is an aqueous tackifier emulsion. Its main function is to improve polymeric dispersion adhesion upon non-polar substrates and cardboards. The product is alkylpheno ethoxylate (APEO) free and solvent free. EMULTROL E-185 TP is excellent compatible with acrylic resin dispersions, PVA, EVA, SBR, NBR and polyurethane dispersion adhesives. The product has good wetting properties on silicone coated paper and other transfer papers. The tackifier dispersion EMULTROL E-185 TP is highly stabilised against the effects of oxidation and the action of ultra-violet rays. The dispersion is comprised of extremely fine particles, therefore it does not scratch application cylinders and the product is highly stable during storage. In order to achieve compatibility with other binding agent systems, the pH value has to be correspondingly adjusted. The addition of additives with a high basic 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 esterified colophony resin emulsion	
Density	1,02 ± 0,01 kg/l	
pH value	8,5 ± 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	53,5 ± 1,0	
Residue soft point	87 ± 3 °C	
Acid index (mg KOH/g residuum)	< 25	
Stability	< 1 %	Sedimentation after 15 minutes. 3.500 r.p.m
Recommended portion of the tackifier	20 – 40 %	
Particle size equal or larger than 0,1 mm	< 0,01 %	
Tg temperature	5 – 10 °C	



## ADMISSION FOR THE FOOD INDUSTRY

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

## APPLICATION

The resin dispersion EMULTROL E-185 TP acts as modification component in 1- and 2-component aqueous adhesives and adhesive coating systems. This emulsion is added to different chemical based, aqueous adhesive dispersions in order 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 for example is the modification of aqueous primer dispersion adhesives for the coating of adhesive stripes, labels and film materials.

## 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-185 TP 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 petrols, 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 stock 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 EG Safety Data Sheet.

## PACKAGING


200 kg drums, 1.000 kg IBC containers and in bulk road tankers.




**DANQUINSA**  
GMBH

STÖRRENSTR.30  
72135 DETTENHAUSEN  
GERMANY

Post office box 147  
72133 DETTENHAUSEN  
GERMANY

 : +49 (0)7157 5225-0

 : +49 (0)7157 5225-22

 : [info@danquinsa.com](mailto:info@danquinsa.com)

[WWW.DANQUINSA.COM](http://WWW.DANQUINSA.COM)

STAND 07/2022