



PROX[®] ES 100

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DEFINITION

PROX[®] ES 100 is an APEO free epoxidized surfactant that is used in the preparation of aqueous emulsions of epoxy resins

PRODUCT DESCRIPTION

Appearance	Wax solid	
Colour	beige	
Guaranteed specification	Standard	Method
% Dry matter	> 98	S 84005
Other information		
Melting point	47°C	

APPLICATION

PROX[®] ES 100 is useful in the preparation of water-borne epoxy emulsions. Conventional emulsifiers typically reduce the water resistance of films formed upon curing the emulsion. The reactive nature of **PROX[®] ES 100** improves the water resistance properties of the epoxy emulsions films.

METHOD OF USE AND RECOMMENDED LEVELS

Water based liquid epoxy system

Liquid epoxy resin (Epon [®] 828, DER [™] 331 [™])	55,5
PROX[®] ES 100	5,6
Heat to 80 – 85°C under stirring, than add slowly under high speed stirring	
Water	38,9
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	100

Water based solid epoxy system

Solid epoxy resin (Epikote [®] 1001)	40,6
Reactive solvent (diglycidyl ether of butanediol)	2,0
Heat to 90°C under stirring then add	
PROX[®] ES 100	8,0
Heat water to 80°C before its introduction, then add it slowly under high speed stirring	
Water	48,4
Cool to room temperature then add respectively	
Methoxy propanol	10,0
SYNTHRO[®]-THIX OPS	1,0
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	110

STORAGE CONDITIONS

PROX[®] ES 100 should be stored in a cool dry place. In original unopened container it will keep 1 year stability.

PACKAGING

PROX[®] ES 100 is delivered in 30 kg or 200 kg drums.

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The information contained in this data sheet corresponds to the present state of our knowledge; it is intended for your guidance but we are not bound by it since we are not in a position to exercise control over the manner in which our products are used. Moreover, the attention of the user is drawn to the risks that could possibly occur should a product be used for an application other than that for which it is intended.

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