

CHS-EPOXY 498

Modified epoxy resin

PRODUCT CHARACTERISTIC

Low molecular weight epoxy resin modified with mono-functional reactive diluent for ambient or elevated curing operations. Lower viscous version of CHS-EPOXY 521

USAGE

Designed for potting, adhesive bonding, laminating and impregnation. Further use is in casting compounds, polymer concrete, self levelling floorings and in sealing and patching agents.

PRODUCT PROPERTIES

Viscosity at 25°C	0,5 – 0,7	Pa.s	DIN 53015
Colour	max. 100	Hazen	ISO 6271-2
Epoxy index	4,8 - 5,1	mol/kg	ISO 3001
Epoxy equivalent weight	196 - 208	g/mol	ISO 3001

MIXING RATIO

SYSTEM	b.m.	
CHS-EPOXY 498-CHS-HARDENER P-11	100 : 11	Short pot life, high chemical resistance
CHS-EPOXY 498-TELALIT 410	100 : 17	Short pot life
CHS-EPOXY 498-TELALIT 60	100 : 30	For curing at low temperature
CHS-EPOXY 498-TELALIT 0420	100 : 21	Medium pot life, high performance
CHS-EPOXY 498-TELALIT 0492	100 : 24	Medium pot life
CHS-EPOXY 498-TELALIT 0563	100 : 28	Medium pot-life, high flexibility
CHS-EPOXY 498-TELALIT 0590	100 : 29	Medium pot-life, high flexibility
CHS-EPOXY 498-TELALIT 0600	100 : 30	Long pot-life, high Tg

After curing, subsequent heat treatment is advised to enhance the mechanical and thermal properties. Optimal post curing conditions for maximum mechanical properties of most epoxy systems are for instance 24 hours at room temperature, then 4-24 hours at 60°C followed by 2-20 hours at 120-140°C. The most important factor is to be aware of thermal shock during cooling to room temperature after post-curing.

STORAGE

CHS-EPOXY 498 should be stored in dry conditions, away from direct sources of heat, preferably in the original containers kept tightly closed. Under these conditions, and at storage temperatures between 5-25°C, the storage life is 12 months.

PACKING

CHS-EPOXY 498 is supplied in 200 l coated steel drums or in other suitable pre-agreed packaging.

SAFETY DATA

For more information on the safety and handling of this product, please refer to the MSDS for this product.

Spolchemie a.s

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