

Technical Data Sheet

Most recent revision date: November 2019

EPIKURE™ Curing Agent 8545-W-52

Product Description

EPIKURE Curing Agent 8545-W-52 is a non-ionic, water reducible, modified epoxy-amine adduct supplied at 52% solids in water. This product is a versatile, unique, new curing agent that can be combined with the whole range of standard or diluted liquid epoxy resins as well as with epoxy resin emulsions and/or dispersions. Due to its versatility, the product is the ideal candidate to use in a wide range of applications.

Application Areas/Suggested Uses

Different from other products in the market, EPIKURE 8545-W-52 can be used in civil engineering applications as well as in high performance anti-corrosive primer formulations. In either application, this curing agent offers the general benefit of requiring no or an extremely low co-solvent level whilst giving optimum performance.

In civil engineering applications, EPIKURE 8545-W-52 can be used in sealers, self levelling flooring and concrete coatings where it can be combined with liquid, diluted or water dispersible epoxy resins and where it offers an excellent colour stability and a visible end of pot-life. The product is very easy to handle and has excellent rheological properties, when applied with either roller, brush or spray gun.

In combination with epoxy resin dispersions, EPIKURE 8545-W-52 can be used for 100% waterborne heavy duty anti-corrosive coatings, even in marine environment: it offers fast drying, cure down to 10°C, excellent corrosion and chemical resistance.

Benefits

- Zero VOC
- Benzyl alcohol free
- Very low free amine level
- Visible end of pot-life
- Solution and colour stability

Sales Specification

Property	Unit	Value	Test Method /Standard
Solids content	% m/m	51.0 - 54.0	ASTM D1259
Amine as KOH	mg/g	240 - 280	ASTM D2896
Viscosity, Brookfield* at 25°C	Pa..s	11.0 - 21.0	ASTM D2196

* spindle nr RV4 at 12 rpm

Typical Properties

Property	Unit	Value	Test Method/Standard
Hydrogen equivalent weight, as supplied	g/eq	320	Calculated
Volatile Organic Content	g/l	none	ASTM D3960
Appearance		Clear to slightly hazy liquid	
Colour Gardner		8	ASTM D1544

Safety, Storage & Handling

Please refer to the MSDS for the most current Safety and Handling information.

EPIKURE 8545-W-52 should be stored in tightly sealed, lined containers in a dry location at normal room temperatures. Under these conditions the shelf life should be a minimum of three years from date of certification.

Form Number

EPIKURE Curing Agent 8545-W-52