

Product information

EPILINK[®] 701

Curing Agent

DESCRIPTION

Epilink 701 has been developed primarily for use with liquid epoxy resin, it out-performs solid resin emulsion-based systems by offering the capability to formulate without resin emulsifiers, at zero VOC and with a visible end of pot life.

The unique nature of Epilink 701 provides the ability to develop low cost systems based on high filler levels particularly in flooring applications.

TYPICAL PROPERTIES

Property	Value	Unit	Method
Appearance	Opaque yellow emulsion		
Colour	0-45	Gardner	ASTM D 1544-80
Viscosity @ 25°C	5000-10000	mPa.s	Brookfield RVT, Spindle 4
Amine Value	130-165	mg KOH/g	Perchloric Acid Titration
Specific Gravity @ 21°C	1.08	g/ml	
Total Solids Content	53-57	wt %	
Equivalent	300	Wt/{H}	
Recommended use Level	140-170	PHR	With Bisphenol A diglycidyl ether (EEW=190)

PERFORMANCE AND HANDLING ADVANTAGES

- Fast film-drying and cure with liquid epoxy
- Excellent anti-corrosive and flash rust resistance
- Water vapour permeability
- Zero VOC Systems
- Benzyl Alcohol free
- Very low free amine Content
- Temperature and shear stable

APPLICATIONS

- Self-levelling and screed Floors
- Water vapour permeable floor Coatings
- Grouts, putties, and plasters
- Anti-corrosive primers
- High film build waterborne coatings (>5mm)
- High gloss and matt finish top coats

SHELF LIFE

At least 24 months from the date of manufacture in the original sealed container at ambient temperature.

STORAGE AND HANDLING

Refer to the Safety Data Sheet for Epilink 701 curing agent.

TYPICAL HANDLING PROPERTIES

Property	Value	Unit	Method
Pot Life @ 20°C	2-4	h	With Bisphenol A diglycidyl ether (EEW=190)
Thin Film Set Time			
Phase I @ 20°C	0.75	h	BK Drying Recorder, With Epires ER8 (EEW=195)
Phase II @ 20°C	4.00	h	BK Drying Recorder, With Epires ER8 (EEW=195)
Phase III @ 20°C	6.5	h	BK Drying Recorder, With Epires ER8 (EEW=195)
Persoz Hardness			
1 day @ 20°C	200		With Epires ER8 (EEW=195)
7 day @ 20°C	350		With Epires ER8 (EEW=195)

TYPICAL PERFORMANCE PROPERTIES

Typical cure schedule 2 - 7 days

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