

Product Data Sheet

LIT/0713-D-50

JOINTMINE D-50

INTRODUCTION

JOINTMINE D-50 is a modified aliphatic amine of low viscosity epoxy curing agent. Its provide rapid cure at ambient temperature as well as temperature at 0°C. It can be used as an accelerator to other amine curing compounds.

CHARACTERISTICS

- Rapid cure at low temperature conditions
- Low viscosity
- Good chemical resistance
- High reactivity for accelerate curing

APPLICATIONS

- Adhesives
- Crack injection
- Accelerator for amine cure compounds

PACKING

200kgs net in steel drum

STORAGE CONDITIONS

At least 12 months from the date of manufacture in the original sealed container at ambient temperature. store away from excessive heat and humidity in tightly closed containers.

SPECIFICATION

Appearance	Clear yellow liquid
Amine value (mg KOH/g)	760 ± 30
Color (Gardner)	<5
Viscosity (RVF type @25°C, cPs)	60 ~ 150
Equivalent Wt (H)	42

BASIC FORMULATION

Mix ratio (with EEW=190 epoxy resin)	22phr
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TYPICAL PROPERTIES

Mixed Viscosity (DGEBA EEW190, 25°C)	1450cps
Pot life (100g, 25°C)	5mins
Peak Exortherm Temperature (100g, 25°C)	222°C
Drying Time (300µm, 25°C)	1.4 hrs
Drying Time (700µm, 25°C)	1.3 hrs

PHYSICAL PROPERTIES

Bond Strength (Mild Steel / Mild Steel) * ¹	210kg/cm ²
Flexural Strength * ²	1190kg/cm ²

*¹ Cured with Bisphenol-A epoxy of EEW=190 @25°C x 7days

*² Cured with Bisphenol-A epoxy of EEW=190 @25°C x 1day + 60°C x 3 hrs)