

Product Data Sheet

LIT/0509-238

JOINTMINE 238**INTRODUCTION**

JOINTMINE 238 curing agent is a low viscosity modified aliphatic amine for room temperature cured. It is also used as modifier for amine hardener in extending its pot life and also reduces its viscosity.

CHARACTERISTICS

- Good Color Stability
- Long Pot life
- Free from Amine Blush
- Good Impact Resistance
- Insensitive to Moisture

APPLICATIONS

- Solvent free floor coating
- High solid coatings
- Laminates
- Casting and adhesives

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	Light transparent
Amine value (mg KOH/g)	320 ± 20
Color (Gardner)	<3
Viscosity (BH type @25°C, cPs)	30 ~ 100
Equivalent Wt (H)	83

BASIC FORMULATION

Mix ratio (with EEW=190 epoxy resin) = 40phr

TYPICAL PROPERTIES

Pot life (100g @20°C)	95mins
Cure time (250μ wet, @20°C)	12hrs
Drying time (250μ wet, @20°C)	8hrs
Peak exotherm temp. (100g, @25°C)	42°C
Pencil Hardness	2H

PHYSICAL PROPERTIES

Compressive Strength (JIS K6911)	848kg/cm ²
Bending Strength (JIS K6911)	1005kg/cm ²
Tensile Strength (JIS K6911)	474kg/cm ²
Flexural Strength (JIS K6911)	425kg/cm ²

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

CHEMICAL RESISTANCE PROPERTIES

(Percentage weight changed)

Immersion Time	1day	4days	7days
10% H ₂ SO ₄	0.44%	0.78%	0.96%
10% CH ₃ COOH	1.90%	4.12%	5.11%
10% NaOH	0.04%	0.11%	0.15%
10% NaCl	0.04%	0.10%	0.14%
Methanol	5.38%	10.67%	13.18%
Water	0.05%	0.13%	0.18%