

Product Data Sheet

LIT/0914-919

JOINTMINE 919**INTRODUCTION**

JOINTMINE 919 is a modified cycloaliphatic amine of low viscosity, low color and room temperature curing agent. It has high gloss and able to cure under high humidity conditions. It also able to cure at relatively low temperature conditions and gives good surface properties. JOINTMINE 919 is suitable for solventless coatings, chemical tank lining, and mastic paint.

CHARACTERISTICS

- Able to cure at high humidity
- Transparent liquid
- Good chemical resistance
- Good gloss and surface properties

APPLICATIONS

- Self-leveling floor coating
- High solid coating
- Chemical tank coating
- Water resistant tile grout

PACKING

Jointmine 919 available in 200kg net per 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.

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

*² Cure Conditions: 25°C x 7days, with DGEBA (EEW190), % weight changed

SPECIFICATION

Amine value (mg KOH/g)	280 ± 20
Viscosity (RVF type @25°C, cPs)	400 ~ 600
Color (Gardner)	<3
Specific Gravity @25°C	1.03 ± 0.02
Equivalent Wt (H)	100

TYPICAL PROPERTIES

Mix ratio, phr (with EEW=190)	50
Peak Exotherm Temperature (100g @25°C)	127°C
Pot life (100g @25°C)	20 ~ 30mins
Hardness (Shore D), @ 21hrs / 7days	63 / 80

PHYSICAL PROPERTIES *¹

Compressive Strength (JIS K6911)	813kg/cm ²
Bending Strength (JIS K6911)	820kg/cm ²
Tensile Strength (JIS K6911)	503kg/cm ²
Adhesive Strength (ASTM D1002)	64kg/cm ²
Tensile Elongation (JIS K6911)	2.1%
HDT (25°C x 7days)	46°C

CHEMICAL PROPERTIES *²

Immersion Test

	3days	7days	28days
Methanol	-0.05	-0.06	-0.20
Ethanol	+1.80	+2.10	+3.87
Toluene	+7.87	+9.27	+19.23
Xylene	+2.13	+2.45	+4.50
Butyl Cellosolve	+1.72	+2.06	+5.29
MEK	Dest..	Dest.	Dest.
10% Lactic acid	+0.22	+0.26	+0.54
10% Acetic acid	+0.43	+0.51	+1.11
30% H ₂ SO ₄	+0.07	+0.09	+0.25
70% H ₂ SO ₄	+0.02	+0.02	+0.11
98% H ₂ SO ₄	+38.37	+41.39	+59.49
50% NaOH	+0.12	+0.16	+0.34
5% NaOCl	+0.16	+0.20	+0.42

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