

Product Data Sheet

LIT/0809-316

JOINTMIDE 316

INTRODUCTION

JOINTMIDE 316 is a high viscosity, room temperature standard polyamides for use in the curing of epoxy resins. It imparts resiliency and toughness to a cured epoxy system. It is widely use as solvent based coating and as well as other civil engineering coatings.

CHARACTERISTICS

- Good water and moisture resistance
- Good chemical resistance
- Low shrinkage
- Long pot life

APPLICATIONS

- Binder for abrasive paper
- Adhesive
- Solvent based maintenance coatings
- Primers, concrete coatings & sealers
- General paints

PACKING

180kgs 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	Amber liquid
Amine value (mg KOH/g)	210 ± 20
Color (Gardner)	<8
Viscosity (BH type @40°C, cPs)	40000 ~ 60000
Equivalent Wt (H)	180

TYPICAL PROPERTIES

Mix ratio, phr (EEW=190)	90 ~ 100
(EEW=500)	35 ~ 40
Pot life (100g, 25°C)	360mins
Curing time (ambient temperature)	2 ~ 7 days

PHYSICAL PROPERTIES

Bond strength (Fe / Fe)	120kg/cm ²
Compressive strength (JIS K6911)	411kg/cm ²
Bending strength (JIS K6911)	471kg/cm ²
Tensile strength (JIS K6911)	365kg/cm ²

* Result of Jointmide 316 : DGEBA epoxy EEW190
= 100 / 100

Note: The ratio of curing agent can be varied to achieve a varying properties of the cured system. Increasing the amount of curing agent will increase flexibility, while decrease in the ratio will increase hardness.