

## Product Data Sheet

LIT/0913-N-515

### JOINTMINE N-515

#### INTRODUCTION

JOINTMINE N-515 is a formulated aliphatic polyamine hardeners of fast cure when use with epoxy resin. It able to cure at low temperature and gives relatively low in color. It fast setting is suitable for anchoring bolts, dowels, and reinforcing steel into concrete. It is also ideal for vertical and horizonatal structural bonding and patching.

#### CHARACTERISTICS

- Cure quickly at low temperature
- Low in color
- Good adhesion on wet surface
- Easy mixing of 1 / 1 ratio

#### APPLICATIONS

- Patching compound
- 2 component fast setting adhesive
- decoupage

#### PACKING

Jointmine N-515 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.

#### SPECIFICATION

Amine value (mg KOH/g)	210 ± 20
Viscosity (RVF type @25°C, cPs)	5000 ~ 9000
Color (Gardner)	<3
Specific Gravity @20°C	1.03 ± 0.02
Equivalent Wt (H)	180

#### BASIC FORMULATION

Mix ratio (with EEW=190 epoxy resin) = 100phr

#### TYPICAL PROPERTIES

Gel time (100g @25°C)	9.4mins
Pot life (100g @25°C)	8.4mins
Peak exothermic Temp (100g @25°C)	106°C
Initial Set Time (3gm mass, 30°C)	95mins
Initial Curing Time (3gm mass, 30°C)	5 hours
Thin-Film Drying Time (300µm, 25°C)	2.0hrs
Drying Time (25°C, 200µ wet RCI Dryer)	2hrs
Curing Time (25°C, 200µ wet RCI Dryer)	2.8hrs

#### PHYSICAL PROPERTIES

Hardness (Shore D) * <sup>1</sup>	50
Bond Strength (Fe/Fe) * <sup>2</sup>	87kg/cm <sup>2</sup>

\*<sup>1</sup> 25°C x 7days, DGEBA, C<sub>12</sub>-C<sub>15</sub> glycidyl ether

\*<sup>2</sup> Cured with Bisphenol-A epoxy of EEW=190 @25°C x 7days