TEL: 886-7-6962211~3 http://www.sanho.com.tw FAX: 886-7-6976993 (Sales) E-mail: sanho@sanho.com.tw FAX: 886-7-6961782 (Export) E-mail: sanho@so-net.net.tw

## **KINGMIDE 513-F**

KINGMIDE 513-F is a polyamide curing agent for liquid epoxy resin to achieve fast cure more than KINGMIDE 315-FS at ambient temperature. It has a high molecular weight and provide the cured products with high orders of flexibility \( \) adhesion \( \) good chemical and water resistance, especially surface tacky-free after full cure in low temperature \( \) The major applications of KIMGMIDE 513-F are for general adhesives \( \) civil engineering and construction \( \)

## 1. SPECIFICATIONS

Appearance : Brown-colored liquid.

Viscosity (mPa·s/ $40^{\circ}$ C) : 10,000 ~ 20,000

Colour (Gardner) : 12 Max. Amine Value(JIS) : 290±25 A.H.E.W. : 170

## 2. RECOMMENTED MIXING RATIO

1) 80~120 parts to 100 parts of Bisphenol-A type epoxy resin whose epoxy equivalent weight is about 190.

## 3. CURING CHARACTERISTICS

Epoxy resin : employe bisphenol-A type epoxy resin whose epoxy equivalent

weight is about 190.

Total mass : 100 gramRoom temp. :  $23^{\circ}\mathbb{C}$ 

EXOTHERMIC REACTION				
Mixing ratio = Epoxy resin / KINGMIDE 513-F		55/45		
Peak exothermic time.	(min.)	76		
Peak exothermic temp.	$(^{\circ}\!\mathbb{C})$	89		