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

### KINGCURE X-963

KINGCURE X-963 is a mannish type Epoxy Resin hardener. Based ON MXDA developed for low viscosity fast curing.

KINGCURE X-963 can be used in all normal amine reactions . It is a slightly yellow product and has only limited solubility in water.

The reactivity with epoxy resin is so high that no accelerator are required The cure takes place at high atmospheric humidity at temperature down to 5°C and even under water.

#### 1. SPECIFICATIONS

Appearance : Clear, low viscosity, light honey-colored liquid.

Viscosity :  $120\sim220 \text{ mPa·s} (25^{\circ}\text{C})$ 

Colour (Gardner) : 8 Max. Amine Value : 570 û 30

Specific Gravity :  $1.10 \div 0.01$  (25 \in 25 \cdot C)

Flash Point :  $147^{\circ}$ C AHEW : 57

### 2. RECOMMENDED MIXING RATIO

25"35 parts by weight to 100 parts of liquid epoxy resin whose epoxy equivalent weight is about 190.

### 3. APPLICATIONS

KINGCURE X-963 has good compatibility with commonly used epoxy resins. It is cold-curing agent for solvent free epoxy resin systems and can be used in the following applications:

Protective coating on concrete.

Spontaneous spreading floor coating.

Chemical and corrosion resistance coating.

Coating on damp substrate.

Construction on damp condition.

KINGCURE X-963 as curing agent can mix with the diluent epoxy and mix with high ratio of Sand without reduce mechanical strength, Chemical and solvent resistance strength.

KINGCURE X-963 can combine with other curing agent, accelerate the reaction of slow curing systems without other defects.

The system with KINGCURE X-963 has very low shrinkage, enable the adhesion on concrete is very good.

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# 4. CURING PROPERTIES

<u>A-Component</u> <u>B-Component</u>

NPEL-128------30 KINGCURE X-963-----30

Gel Time	$(20^{\circ}\text{C}, 100\text{gm})$	11.5 min
Pot Life	$(20^{\circ}\text{C}, 200 \text{ km})$	8 min.
Dry Touch	$(20^{\circ}\text{C},200 \text{ km})$	80 min.
Curing	$(20^{\circ}\text{C},200 \text{ km})$	130 min.
Curing	(5°C,200 km)	25hr.

# 5. SUGGESTRD FORMULATIONS

(1) Epoxy Mortar	
A-Component	<b>B-Component</b>
NPEL-128100	KINGCURE X-96330
Benzyl Alcohol······15	
A-Component	<b>B-Component</b>
NPEL-128100	KINGCURE X-96315
	Jeffmine D-23015
(2) Under-water Coating	
A-Component	<b>B-Component</b>
NPEL-114100	KINGCURE X-96330

Nonyl Phenol······7