

# EPO-0513

[Hardness Shore D 80]

Epoxy coating extremely resistant to abrasion and chemical attack. and it is recommended for the protection of concrete surfaces in contact with aggressive environment like acids, oils, alkalis, etc. Therefore, it is developed and formulated for Accessory coating materials.

It is once mixed and applied thinly by using a roller or hand work(handicraft). By the virtue of many properties such as excellent adhesive to substrates, chemical resistance, outstanding resistance against abrasion and excellent durability, good workability, and long pot life, It is wildly used for accessory coating materials for handicraft and electrical transparent potting, etc.

## ▼ The principle ingredient

- 1) Resin
  - Bisphenol A Modified EPOXY.
- 2) Hardener
  - Modified Amine adduct type.

### 1. General Properties

- 1) Low shrinkage after curing.
- 2) Good weatherability.
- 3) Good electrical property.

### 2. Applications

- It is recommended for transparent hard coating for accessory and electrical Potting, and so on.

### 3. Handling Precaution

- 1) Keep the mixing ratio between resin and hardener correctly and well mixing recommended.
- 2) When epoxy resin pour into a complicated structure of molding, some bubble may be generated. At that time, some operating condition is recommend such as preheat the mold, degassing process just after mixing.
- 3) To flow a flesh air, set up the ventilation facilities in working area.

- 4) Labour wear a protective clothing, gloves and safety glasses during work
- 5) If it were contaminated skin, labour should be washed it by running water with a detergent.
- 6) Same LOT of resin and hardener and take them out of the warehouse in good order is recommended.
- 7) When it is dispensed, you would rather consult with our research institute.

#### 4. Custody

- 1) Avoid a moisture and direct rays of the sun in the condition of airtight
- 2) It may be shift the properties after 6 month and adequate temperature is 18°C ~ 25°C.
- 3) When it is opened, whole using is recommended.

#### 5. Quality Control

- 1) Quality control has been tested in line with LOT NO., respectively.
- 2) To increase the quality and customer satisfaction, our instrument was standardized by JIS K 6911 and ASTM to test mechanical and physical properties of our product and it is tested before selling.

#### 6. Properties.

Test Temp. : 25°C

		Data	
Mixing ratio - By weight [Resin : Hardener]		100 : 50	
Viscosity [cPs at 25°C]	Resin	1,000 ~ 2,000	
	Hardener	100 ~ 500	
Specific gravity	Resin	1.05 ~ 1.15	
	Hardener	0.97 ~ 1.02	
Pot life [at 25°C, 100g scale]		40 min	
Curing condition. [Room Temperature - R.M]		60°C × 2 hr or R.T × 24 hr	
Hardness [Shore D]		Above 75	

TEST METHOD : JIS K - 7232, 7233, 6911