

KCA 4303

Technical Data Sheet

1. Description

KCA 4303 is a cycloaliphatic amine modified hardener can be used for coatings, floorings and mortar.

The properties of this curing agent are that it has low viscosity and gives cured products with good coloring performance and high gloss.

2. Characteristics

- Good Chemical properties
- Good gloss
- Good weatherability

3. Applications

- High solid coatings
- Epoxy resin mortar
- Floorings

4. Storage Life

At least 12 months from the date of manufacture in the original sealed container at ambient temperature.

Store away from excessive heat and humidity.

5. Specifications

Items	KCA 4303
Viscosity [cps]	300 – 500 ¹
Amine Value [mgKOH/g]	220 – 320
Color [Gardner]	3 Max
A.H.E.W [g/eq]	110

1 [cps at 25°C]

6. Physical Properties

Items	KCA 4303
Tensile Strength [Kgf/cm ²]	370
Compressive Strength [Kgf/cm ²]	550
Gel time [min]	50±5 min at 25°C
Exothermic Temperature [°C]	192
Resin:	KER-828 (EEW: 190 g/eq)
Mixing ratio:	KER 828/KCA 4303 = 100/55~60, Curing Condition: R.T. X 7 Days
Gel time:	100g scale

7. Film Properties

Items	KCA 4303
Set to touch [hr]	3
Thin film set time [hr]	6
Resin:	KER-828 (EEW: 190 g/eq)
Mixing ratio:	KER 828/KCA 4303 = 100/55~60, Curing Condition: R.T. X 7 Days
Film thickness:	200 µm

7. Typical Cure Schedule

2-7 days at Room Temperature

8. Handling Precautions

Refer to the Material Safety Data Sheet for KCA 4303 curing agent