



DOCURE KH-816

CYCLOALIPHATIC AMINE MODIFIED HARDENER TECHNICAL DATA SHEET

GENERAL DESCRIPTION

DOCURE KH-816 is a modified cycloaliphatic polyamine adduct intended for use as a room temperature curing agent for liquid epoxy resins. KH-816 provides high gloss films that are resistant to various chemicals. These properties make it ideal for formulating flooring and tank linings.

ADVANTAGES

- Excellent color and color stability
- Low amine blushing
- High gloss films
- Excellent chemical resistance

APPLICATIONS

- Solvent free and high solid floor and wall coatings
- Self leveling flooring
- Tank linings
- Wet lay-up laminating

SAFETY, STORAGE & HANDLING

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.

*Refer to the Safety Data Sheet for KH-816 curing agent.

PACKAGING

- Drum of 180kg net weight
- Can of 15kg net weight

TYPICAL PROPERTIES

T.A.V.*1(mgKOH/g)	220-320
Viscosity(cps@25°C)	300-500
Color(Gardner)	3Max.
Specific Gravity(@25°C)	1.02
A.H.E.W.(g/eq)	110

*1. Total Amine Value(0.1N-HCl Method)

TYPICAL HANDLING PROPERTIES*1

YD-128	100(by weight)
KH-816	60(by weight)
Gel-time(@25°C/150g scale)	50min
Exothermic temperature	192°C
Mixed viscosity(cps@25°C)	2,350

*1. KH-816 tested with YD-128(EEW=±187)

TYPICAL PERFORMANCE*1

YD-128	100(by weight)
KH-816	60(by weight)
Adhesion Strength(Kgf/cm ²)	60
Tensile Strength(Kgf/cm ²)	370
Compressive Strength(Kgf/cm ²)	554

*1. KH-816 tested with YD-128(EEW=±187)

Curing condition: 7days at room temperature

CHEMICAL RESISTANCE*1

YD-128	100(by weight)
KH-816	60(by weight)
10% NaOH aqueous	0.4
10% H ₂ SO ₄ aqueous	1.3
Xylene	0.2
Ethanol	3.8
Water	0.6

*1. Loss weight rate(wt%) after 3 weeks

KH-816 tested with YD-128(EEW=±187)

Curing condition: 7days at room temperature