



ISO-9001
ISO-14001



KUKDO
December 2,
2004

KH-816

Cycloaliphatic Amine Modified Type

General Description

DOCURE KH-816 is a cycloaliphatic Amine modified curing agent for use with Epoxy Resins. KH-816 gives high gloss films that are resistant to various chemicals. These properties make it ideal for formulating floorings and tank linings.

Resin Properties

Item	KH-816	Test Method
TAV ^{*1} (mgKOH/g)	220-320	KD-AS-201
Viscosity(cps at 25 °C)	300-500	KD-AS-005
Color(G)	3.0 max.	KD-AS-025
Use Level ^{*2} (phr)	60	-

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

*2 Per hundred resin (YD-128=186g/eq)

Curing Properties

Item	Result
Gel time/150g scale	50min
Exothermic temperature	192 °C
Mixed viscosity	2,350

Resin : YD-128

Mixing ratio : YD-128/KH-816=100/60

Physical Properties

Item	Result
Adhesion Strength(Kgf/cm ²)	60
Tensile Strength(Kgf/cm ²)	370
Compressive Strength(Kgf/cm ²)	554

Resin : YD-128

Mixing ratio : YD-128/KH-816=100/60

Curing condition : 7days at room temperature

Chemical Resistance Properties

Item	Result ^{*1}
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 week

Resin : YD-128

Mixing ratio : YD-128/KH-816=100/60

Curing condition : 7days at room temperature

Application

Solvent free Coatings

Floorings

Tank linings

Storage

Keep away from excessive heat and humidity

Closed container

Packaging

Drum of 180kg net weight

Can of 15kg net weight