



ISO-9001
ISO-14001



KUKDO
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KH-506

Aliphatic Amine Modified Type

General Description

DOCURE KH-506 is an aliphatic Amine modified Mannich based Hardener. KH-506 has good water spot resistance in the area of floorings.

Resin Properties

Item	KH-506	Test Method
TAV ^{*1} (mgKOH/g)	340-400	KD-AS-201
Viscosity(cps at 25 °C)	500-2,000	KD-AS-005
Color(G)	10 max.	KD-AS-025
Use Level ^{*2} (phr)	35-40	-

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

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

Curing Properties

Item	Result ^{*1}	Result ^{*2}
Gel time/100g scale	17min	15min
Exothermic temperature	143°C	148 °C

*1 Resin : YD-128/Benzyl alcohol=90/10

Mixing ratio :YD-128/Benzyl alcohol/KH-506=90/10/35

*2 Resin : YD-115CA(EEW=205)

Mixing ratio :YD-115CA/KH-506=100/35

Physical Properties

Item	Result ^{*1}	Result ^{*2}
Tensile Strength(Kgf/cm ²)	780	367
Compressive Strength(Kgf/cm ²)	1024	1081
Shore D(Hardness)	81	81

*1 Resin : YD-128/Benzyl alcohol=90/10

Mixing ratio :YD-128/Benzyl alcohol/KH-506=90/10/35

*2 Resin : YD-115CA(EEW=205)

Mixing ratio :YD-115CA/KH-506=100/35

Curing condition : 7days at room temperature

Film Properties

Item	Result ^{*1}	Result ^{*2}
Dry through	2hours 10min	1 hour 50min

*1 Resin : YD-128/Benzyl alcohol=90/10

Mixing ratio :YD-128/Benzyl alcohol/KH-506=90/10/35

*2 Resin : YD-115CA(EEW=205)

Mixing ratio:YD-115CA/KH-506=100/35

Film thickness : 75µm

Application

Self-leveling Floorings

Solvent free Coatings(Curable at low temperature)

Storage

Keep away from excessive heat and humidity

Closed container

Packaging

Drum of 180kg net weight

Can of 15kg net weight