

HARD CHEM DO BRASIL

TECHNICAL DATA SHEET HARDMINE 8287

HARDMINE 8287 is a self-emulsifying non ionic waterborne epoxy curing agent with strong hydrophilic group and excellent lipophilicity, it can emulsify bisphenol A epoxy resin with molecular weight of 360-1000, and it will not break the emulsion after emulsification and dilution, and it will have excellent mechanical strength after fully curing into a film with a certain degree of resistance to water, salt spray, acid and alkali corrosion.

The physical and chemical properties

Appearance	Liquid
Color	Yellowish transparent
Solid content (%)	50±2
Viscosity (mpa.s/25°C)	400-1300
A.H.E.W	240±10
Density, [g/cm ³]	1.00±0.05
Amine value, [mg(KOH/g)]	240±30
Recommended amount of resin per hundred grams, [phr]	125-135

Product Performance

Application data (temperature +23°C and 50% relative humidity)	
Mixing ratio	100:130
Operating time, 23°C	30-60 minutes
Temperature range	5°C~35°C
Curing time, 23°C, 50% R.H.	approx. 6-8 hours
Surface drying time	

Performance	Result	Test Method
Shore hardness D	78-85	GB/T 2411-2008

Performance Advantages

Excellent mechanical strength after full curing;
High gloss and excellent strength of the paint film;

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Excellent hydrophilicity;

Resistant to water, salt spray, acid and alkali corrosion.

Application

It is suitable for ECC mortar and civil engineering construction.

Suitable for water conservancy projects and building repair and waterproofing.

Package and storage

The transportation process should be protected from rain, sunshine and moisture;

Store in cool and dry condition, away from fire, strong acid, strong alkali and strong oxidizer;

The original package, unopened, can be stored for 12 months at +5°C~+35°C in a cool and dry environment.

Package: 200kg plastic drum.