

TECHNICAL DATA SHEET**HARDLITE 3558**

Hardlite 3558 is phenalkamine modified epoxy resin curing agent with unique performance, suitable for solvent- free or high solid epoxy primer systems. The unique structure of cardanol modified phenalkamine gives the curing agent and its derived coatings unique properties. The curing agent has the advantages of fast curing, especially suitable for use under low temperature conditions, suitable for use all year round.

Performance:

Under normal temperature and low temperature conditions, it has fast curing and long operation period; the lowest curing temperature can reach 0° C;

Wider construction mixing ratio;

Good chemical resistance;

Good compatibility with a variety of solvents and resins;

Outstanding anti- corrosion performance;

It still has excellent adhesion on wet surfaces;

Good moisture resistance during curing;

Solvent free;

Its raw materials are natural and renewable.

1. The physical and chemical properties

Appearance	Red-brown liquid
Viscosity (BH model CPS/25°C)	500-1200
Amine value (mgKOH/g)	320-360
Color (Gardener)	≤ 17
Volatile(%)	≤ 4,5
A.H.E.W	95
Mixing ratio(with epoxy resin EEW=190)	40min
Thin Film set time,8mils(200micron)	
@25 °C(hrs,dry to touch/dry hard/dry through)	-/10/15.5
@5°C(hrs,dry to touch/dry hard/dry through)	-/10/15.5
@0°C(hrs,dry to touch/dry hard/dry through)	-/32/45.5

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2. Application

Marine coating, anti- corrosion medium, primer coating, adhesive, sealant and composites, etc.

3. Storage and packaging

Stored in a cool and dry place with ventilation and can be sealed for 12 months.

Package:200 kg/
