

Water-based epoxy curing agent

G-574

Product performance and features:

The water-based epoxy curing agent G-574 uses imported cycloaliphatic amine from Japan. It is synthesized through addition reaction, with an effective content of 60%, having a light color and low viscosity. It has excellent emulsifying ability for liquid epoxy resin, resulting in a high gloss of the paint film. It is particularly suitable for water-based epoxy floor coatings. The one-coat film thickness can reach 300 micrometers. It can also be used in combination with liquid or solid epoxy emulsions for anti-corrosion coatings.

- √ High gloss
- √ Scratch-resistant
- √ Strong emulsifying ability for liquid epoxy resin
- √ Compatible with emulsions, operation time ≥ 3 hours
- √ High gloss in humid environment

Physical properties:

G-574	Unit	Data
Color	Gardner	≤10
Solid content	%	60 ±2
Appearance		Light yellow - Dark yellow
Viscosity	mPa · s (25°C)	7000-15000
Amine value	mg KOH/g	170-220
Active hydrogen equivalent	g/mol	200

Typical characteristics:

Operation time	25°C	1-4H
Drying time of the surface	25°C	3-4H(128 epoxy)
	25°C	10-25 minutes (E20 solid epoxy)
Setting time	25°C	4-5H
Pencil hardness		>2H

Shore hardness D		>75
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Application scope:

- Water-based epoxy anti-corrosion primer for high-speed trains, subways and buses, as well as general steel structure anti-corrosion;
- Thin coating and thick coating topcoats for floors.

Storage:

Store in a sealed environment at room temperature. If unopened, the storage period is 24 months.

Packaging specifications:

190 kg per barrel, 1000 kg per barrel.