

## Water-based epoxy curing agent

### G-575

#### Product Performance and Features:

Water-based epoxy curing agent G-575 is a high-solid content water-based epoxy curing agent specially designed for solid epoxy systems. It has an effective solid content of 60%, 30% water, and 10% solvent PM. It is particularly suitable for designing low VOC water-based epoxy anti-corrosion coatings. For epoxy emulsion systems, it dries quickly on the surface, has good compatibility, and exhibits excellent early water resistance. For solid epoxy zinc-rich systems, it has good compatibility with hydrophilic solid epoxy resins, and the surface is smooth after curing. It has excellent early water resistance and superior anti-corrosion and chemical resistance.

This product has the following features:

- √ Excellent anti-corrosion performance
- √ Easy to be diluted with water, and the coating does not become coarse
- √ Excellent early water resistance
- √ Low ratio, high cost-effectiveness
- √ Wet-on-wet system, high glossiness

#### Physical properties:

G-575	Unit	Data
Color	Gardner	≤10
Solid content	%	60 ±2
Appearance		Light yellow - Dark yellow
Viscosity	mPa · s (25°C)	2000-6000
Amine value	mg KOH/g	240
Active hydrogen equivalent	g/mol	145

#### Typical characteristics:

Operation time (liquid epoxy / solid epoxy)	25°C	1H/4H
Drying time (solid epoxy emulsion)	25°C	10-15 minutes (E20 solid epoxy)
Curing time	25°C	1-3H

Pencil hardness	7-day curing process	≥1H
-----------------	----------------------	-----

**Application scope:**

- Concentrated container paint, construction machinery equipment paint;
- Water-based epoxy anti-corrosion primer for high-speed rail, subway and buses;
- Engine rooms, driver's cabins, storage rooms of engineering machinery or ship cabins.
- General steel structures, bridge protection
- Zinc-rich paint, iron red intermediate paint

**Storage and packaging specifications**

Stored in a sealed environment at room temperature. Under unopened conditions, the storage period is 24 months. 200Kg per barrel, 1000kg