

Epoxy curing agent

G-553

Product Introduction:

The solvent-free epoxy curing agent G-553 is modified with alicyclic amines, with 100% effective content. It cures at room temperature with bisphenol A/F epoxy resin and also has good compatibility with phenolic epoxy resin. It has high reactivity, high gloss of the paint film, fast surface drying speed, and can be applied at a temperature of around 5 degrees Celsius. It can also be used with other curing agent catalysts. It has superior mechanical and chemical resistance properties.

Performance features:

- √ High compressive strength
- √ Low viscosity
- √ Rapid curing at low temperatures
- √ Resistant to solvents

Physical properties:

| G-553 | Units | Data |
|----------------------------|-------------------|---------|
| Color | Gardner | ≤8 |
| Contentedness Appearance | % | 100 |
| Viscosity | | amber |
| Density | mPa · s (25°C) | 200-700 |
| Amine value | g/cm ³ | 1.102 |
| Active hydrogen equivalent | mg KOH/g | 340-380 |
| Color | g/mol | 80 |

Typical characteristics:

| | | |
|-----------------------------------|------|------------|
| Operation time (liquid 128 epoxy) | 25°C | 10 minutes |
| Drying time | 25°C | 2 hours |
| Setting time | 25°C | 3 hours |
| Compressive strength MPa/7 days | 25°C | >90 MPa |
| Pencil hardness/7 days | 25°C | >2H |

| | | |
|---------------------------|------|-----|
| Break elongation %/7 days | 25°C | 4 |
| Shore hardness D/7 days | 25°C | >80 |

Application scope:

- Industrial anti-corrosion coatings, quick repair mortar;
- Pipeline anti-corrosion;
- Acid-resistant, organic medium-resistant anti-corrosion coatings.

Storage and packaging specifications:

Store at room temperature in an airtight container. If unopened, the storage period is 24 months. 200Kg per barrel, 1000kg per barrel.