

Water-based epoxy resin dispersion

S-538

Overview:

S-538 is a flexible water-based epoxy dispersion product. It possesses excellent flexibility, outstanding initial water resistance and salt spray resistance properties.

Characteristic:

- * Excellent flexibility and impact resistance
- * Excellent resistance to salt fog, water, etc.

Scope of Application:

- * Enhance the flexibility of the paint film and use it in combination with quick-drying resins
- * Be used in conjunction with general-purpose water-soluble, emulsion-type amine-cured adhesives for anti-corrosion primers, intermediate coats, etc.

Physical properties:

Detection indicators	Testing standards	Technical indicators
Appearance	Judging by appearance	White emulsion
Solid content (%)	ASTM D1259	53± 2
Viscosity (cP) (25°C, 20rpm spindle #5)	ASTM D2196	200-4000
Epoxy equivalent (g/mol, as supplied)	ASTM D1652	900 - 1150
Solvent (%)	Theoretical value	≤2%

The above values are based on the physical properties measured in multiple laboratory tests and are not the shipping standards for the factory-produced products.

The early performance is related to the selection of the curing agent, and there may be differences depending on the type combination.

Recommendation for use:

- * Add resin emulsion after grinding the water-based slurry to prepare the finished paint

* Partial or all of the resin emulsion and pigment and filler are rapidly dispersed or ground to the required fineness

* After adding the curing agent, stir for at least 5 - 10 minutes to ensure uniform dispersion

Storage and Packaging:

* The original barrel is sealed. It is recommended to store it in a dark place in a cool and dry area at a temperature range of 10 - 40°C.

* After opening the original packaging, avoid allowing the emulsion to come into prolonged contact with the air to prevent any deterioration of product quality.

* This product is not a hazardous chemical. It is transported in accordance with the regulations for environmentally friendly chemical products and non-hazardous chemicals.

* From the date of manufacture, this product has a validity period of 9 months. If it has expired, please retest before use.

* Original barrel packaging: 200kg per barrel (chemical barrel), 1T per barrel (IBC ton barrel)