

Water-based epoxy resin dispersion

S-535

Overview:

S-535 is a general-purpose solid-state epoxy emulsion water dispersion product. It features excellent shear stability, abrasion resistance, quick drying, outstanding initial water resistance, and salt spray resistance.

Characteristic:

- * Low VOC content
- * Excellent salt spray and water resistance
- * Outstanding early performance establishment, such as acid and alkali resistance, water resistance, etc. (Different curing agents have significant effects on the establishment of early performance)
- * High-speed shear stability ($\leq 45^{\circ}\text{C}$), suitable for grinding processes (The upgraded version of H520 for grinding)

Scope of Application:

- *Quick-drying primer system, providing rapid surface drying and full drying speed
- *Used in combination with universal water-soluble amine-cured or emulsion-type curing agents, it is suitable for anti-corrosion primers, intermediate coatings, floor paints, etc.

Physical properties:

Detection indicators	Testing standards	Technical indicators
Appearance	Judging by appearance	White emulsion
Solid content (%)	ASTM D1259	52 ± 2
Viscosity (cP) (25°C, 20rpm spindle #5)	ASTM D2196	200 -5000
Epoxy equivalent (g/mol)	ASTM D1652	900 - 1100
Solvent (%)	Theoretical value	≤4.5%

The above values are based on the physical properties measured in multiple laboratory tests and are not regarded as the shipping standards for the

factory-produced products.

Recommendation for use:

- * Add resin emulsion after water grinding 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
- * Add the curing agent and 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 non-hazardous products.
- * From the manufacturing date, this product is valid for 9 months. If it has expired, please retest before use.
- * Original barrel packaging: 200kg per barrel (chemical barrel), 1T per barrel (IBC ton barrel)