

Special styrene-acrylic emulsion

S-503

Overview:

S-503 is a water-based anionic emulsified special styrene-acrylic copolymer emulsion. It has fine particle size and does not contain film-forming additives, solvents or plasticizers. It is a special emulsion specially developed by our company for use in water-based special coatings and adhesives.

Characteristic:

- * Self-crosslinking, no formaldehyde emission, achieving excellent performance without the need for additional crosslinking agents
- * Provides excellent adhesion to substrates such as glass, cement, aluminum plates, phenolic resin boards, and stainless steel plates
- * Good film-forming property, thick and full film formation, strong and durable feel
- * Fine particle size, without film-forming additives, solvents, and plasticizers
- * Environmentally friendly and non-toxic, in line with environmental usage standards

Physical property parameters:

Test indicators	Testing standards	Technical indicators
Solid content (%)	ISO3251	50 ± 1
Glass transition temperature/Tg (°C)	DIN EN ISO 11357-2	-2
Brookfield viscosity (mPa.s) (23°C, S3/20)	ISO2555	<350
PH	ISO976	7-8

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:

- * This emulsion can be used for impregnation and coating of textiles and fiber products, special coatings, interface agents, etc.

* This product contains self-crosslinking groups and does not release formaldehyde. It can achieve excellent application performance without the need for an additional crosslinking agent. Based on the self-crosslinking effect, S-503 also provides excellent adhesion to substrates such as glass, aluminum plates, phenolic resin plates, and stainless steel plates.

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 5 - 35 °C.

* This emulsion contains preservatives, which can prevent microbial invasion during transportation. To prevent microbial growth during storage, strict environmental hygiene in the factory should be maintained. In some special cases, appropriate preservatives should be added. Ensure that the storage container is originally sealed. During the processing, storage, and transportation of this product, it should not come into contact with uncoated metal (and non-ferrous metals).

* This product is not a hazardous chemical. It is transported in accordance with the regulations for non-hazardous chemical products in environmental protection and chemical industry.

* From the manufacturing date, the sealed storage validity period of this product is 9 months. If it has expired, please retest before use.

* Packaging: 1000kg/ barrel (IBC packaging)