

## **Technical Date Sheet of VAE Emulsion CW40-907**

**Product name:** Vinyl Acetate-Ethylene Copolymer Emulsion CW40-907

**CAS NO.:** 24937-78-8

### **Technical Data of VAE Emulsion CW40-907**

| Items                                    | Specifications                                              |
|------------------------------------------|-------------------------------------------------------------|
| Appearance                               | White emulsion or light yellow and free of suspended matter |
| Solid content(%)                         | ≥54.5                                                       |
| Viscosity(mpa.s, 25°C)                   | 500~1000                                                    |
| pH                                       | 4.0-6.5                                                     |
| VAC(%)                                   | ≤0.20                                                       |
| Ethylene(%)                              | 15.0-19.0                                                   |
| Free Formaldehyde(g/kg)                  | ≤0.02                                                       |
| Glass transition temperature (Tg/°C)     | 3~5                                                         |
| Minimum film formation temperature( °C ) | ≤1                                                          |

### **Application:**

1. Versatility: VAE Emulsions Are Highly Versatile And Can Be Tailored To Meet Specific Requirements In Different Industries.
2. Adhesives: VAE Emulsions Are Frequently Used In The Production Of Adhesives And Sealants. They Provide Excellent Adhesion To a Wide Range Of Substrates, Making Them Suitable For Applications Such As Woodworking, Paper Bonding, And Construction Adhesives.
3. Paints And Coatings: VAE Emulsions Are Employed As Binders In Water-Based Paints And Coatings. They Contribute To The Film-Forming Properties Of These Products, Enhancing Their Durability,

Adhesion, And Flexibility. They Are Also Known For Their Low Voc (Volatile Organic Compound) Content, Making Them Environmentally Friendly.

4. Textile Industry: In The Textile Industry, VAE Emulsions Are Utilized For Textile Coatings To Improve The Fabric's Water And Stain Resistance. They Also Enhance The Durability Of Printed Patterns.

5. Paper Industry: VAE Emulsions Are Used In Paper Coatings To Improve The Printability, Surface Finish, And Ink Holdout Properties Of Paper Products.

6. Construction: VAE Emulsions Find Applications In Construction Materials, Including Cement And Mortar Modifiers, Where They Improve Workability, Adhesion, And Durability.

7. Non-Woven Fabrics: VAE Emulsions Are Used In The Production Of Non-Woven Fabrics, Providing Strength And Flexibility To The Materials.

8. Emulsion Polymerization: They Serve As a Key Component In The Emulsion Polymerization Process To Produce Other Types Of Polymers And Latex Products.

### **Package:**

Packages: In 25KG/50KG/220KG drum or 1100KG IBC drum.

### **Storage:**

Store in accordance with local regulations on safe storage of chemical products.

Store in a dry, well-ventilated place. Stay away from hot objects, sparks, and other sources of ignition.

Incompatible with strong oxidants.