



TECHNICAL DATA SHEET (TDS)

Emulsion Polymer

Product Description

Basekim Emulsion Polymer is a high-quality water-based polymer dispersion designed for a wide range of industrial applications. Manufactured using advanced emulsion polymerization technology, it provides excellent adhesion, flexibility, durability, and film-forming properties while offering a low-VOC, environmentally friendly alternative to solvent-based binders.

Available product types include Acrylic Emulsions, Vinyl Acetate Ethylene (VAE) Emulsions, Styrene-Butadiene Rubber (SBR) Latex, and specialty polymer emulsions.

Typical Applications

- Water-based paints and coatings
- Construction chemicals
- Cement modification
- Tile adhesives
- Waterproofing systems
- Paper coatings
- Paper and packaging
- Textile finishing
- Nonwoven products
- Pressure-sensitive adhesives
- Wood adhesives
- Industrial binders

Key Benefits

- Excellent adhesion
- Outstanding film formation
- High mechanical strength
- Good water resistance
- Excellent flexibility
- Low VOC formulation



- Easy application
- Good storage stability
- Environmentally friendly water-based technology
- Suitable for indoor and outdoor applications (depending on grade)

Typical Properties

Property	Typical Value
Appearance	White milky liquid
Odor	Mild
Polymer Type	Water-based emulsion
pH (25°C)	7.0–9.0
Solid Content	45–55%
Density (25°C)	1.00–1.10 g/cm ³
Viscosity (25°C)	500–5,000 mPa·s (grade dependent)
Ionic Character	Anionic / Nonionic (grade dependent)
Solubility	Dispersible in water

Values shown are typical and should not be considered as product specifications.

Performance Characteristics

- Excellent binder performance
- Strong adhesion to various substrates
- Good abrasion resistance
- Improved flexibility
- Enhanced weather resistance (selected grades)
- Good chemical resistance
- Fast film development
- Compatible with many water-based formulations

Application Guidelines

The product can be incorporated directly into water-based formulations using conventional mixing equipment.



Recommended dosage depends on the formulation and desired performance.

Compatibility testing with pigments, fillers, additives and other raw materials is recommended before commercial production.

Storage

Store in tightly closed original containers.

Recommended storage temperature:

5–35°C

Protect from:

- Freezing
- Direct sunlight
- Excessive heat

Avoid contamination during storage and handling.

Shelf Life

12 months from the date of manufacture when stored in unopened original containers under recommended conditions.

Packaging

Available in:

- 25 kg Plastic Pail
- 200 kg HDPE Drum
- 1,000 kg IBC Tank
- Bulk Tanker Supply (upon request)



Handling

Use appropriate industrial hygiene practices.

Wear suitable protective gloves and eye protection during handling.

Refer to the latest Safety Data Sheet (SDS) before use.

Quality Assurance

Every production batch is manufactured under strict quality-control procedures to ensure consistent performance, product stability and reliable application results.

Disclaimer

The information provided in this Technical Data Sheet is based on laboratory testing and practical experience and is believed to be accurate. Product performance may vary depending on formulation, processing conditions and application methods. Users are responsible for determining the suitability of the product for their intended application. Product specifications may be modified without prior notice as part of continuous product improvement.

Manufacturer: Basekim Chemical Production Co. Ltd.