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Redispersible Polymer Powder(RDP)

CAS: 24937-78-8

Other names: Redispersible Emulsion Powder,RDP powder,VAE powder,Latex powder,dispersible polymer powder

Redispersible Polymer Powder (RDP) is a redispersible emulsion latex powder produced by spray-drying special water-based emulsion, mostly based on vinyl acetate and ethylene.

After spray drying, VAE emulsion is turned into a white powder which is a copolymer of ethyl and vinyl acetate. It is free-flowing and is easy to emulsify. When dispersed in water, it forms a stable emulsion. Possessing the typical characteristics of VAE emulsion, this free-flowing powder offers greater convenience in handling and storage. It can be used by mixing with other powder-like materials, such as cement, sand and other lightweight aggregate, and it can also be used as a binder in building materials and adhesives.

Redispersible Polymer Powder (RDP) dissolves in water easily and quickly forms emulsion.It improves the important application properties of dry mortars, longer opening time, better adhesion with difficult substrates, lower water consumption, better abrasion and impact resistance.

Protective colloid :Polyvinyl alcohol

Additives : Mineral anti-block agents

Chemical Specification

	RDP-212	RDP-213
Appearance	White free flowing powder	White free flowing powder
Particle size	80µm	80-100µm
Bulk density	400-550g/l	350-550g/l
Solid content	98 min	98min
Ash content	10-12	10-12
PH value	5.0-8.0	5.0-8.0
MFFT	0°C	5°C



Application fields:

- Skim coat
- Tile adhesive
- Exterior wall insulation mortars

Items/Types	RDP 212	RDP 213
Tile adhesive	●●●	●●
Thermal insulation	●	●●
Self- leveling	●●	
Flexible exterior wall putty		●●●
Repair mortar	●	●●
Gypsum joint and crack fillers	●	●●
Tile grouts		●●

Key Properties:

RDP can improve adhesion, flexural strength in bending, abrasion resistance, deformability. It has good rheology and water retention, and can increase the sag resistance of tile adhesives, it can made up to tile adhesives with excellent non-slump properties and putty with good properties.

Special features:

RDP has no effect on rheological properties and is a low-emissions, General - purpose powder in the medium Tg range. It is eminently suitable for formulating compounds of high ultimate strength.

Packing:

Packed in multi-ply paper bags with polyethylene inner layer, containing 25 kgs; palletized & shrink wrapped.

20'FCL load 14ton with pallets

20'FCL load 20 ton without pallets

Storage:

Store it in a cool, dry place below 30°C and protected against humidity and pressing, since the goods is thermoplastic, storage time should not exceed 6 months.

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Safety notes:

The above data is in accordance with our knowledge, but don't absolve the clients carefully checking it all immediately on receipt. To avoid the different formulation and different raw materials, please do more testing before using it.