Product Information

Aquarez PVB DP415-273

Provisional Product Description

Aquarez PVB DP415-273 is a water-based dispersion of a Polyvinyl Butyral plasticised with castor oil, suitable for use in coating and adhesive applications. Aquarez PVB DP415-273 contains a medium molecular weight base polymer that produces a film with superior tensile strength, excellent water resistance and high transparency when dried at room temperature. It has excellent coating properties on many substrates, including glass, wood, plastics and metals. It is suitable for use in Protective Coatings, Strippable Coatings and as a Textile Binder where prolonged exposure to water, wet and/ or high humidity conditions are a concern.

Product Features

- Zero VOC content
- Film forms at ambient temperature
- Free of APEO surfactants
- Excellent water resistance
- Resistant to heat and UV
- PVB: Plasticiser ratio 7:3
- Good storage stability & low sedimentation.
- Good compatibility with other Waterbased polymer dispersions

Provisional Typical Properties

- Total solid content 46 - 48%
- Viscosity: <1200 mPA.s
- pH: 8.5 -10
- Specific Gravity: 0.95 – 1.05
- Particle Size $d_{50:}$ < 2µm

Application & Dosage

This product can be used as-supplied, or can be further formulated with compatible waterborne resin dispersions, thickeners, pigments and cross-linkers in coatings, adhesives and sealants. It excellent tensile strength and cohesive properties make it ideally suited for the formulation of temporary protective coatings for metals, glass, composites and plastics.

Packaging and Storage

Aquarez PVB DP415-273 can be supplied in 200Kg HDPE Drum and 1000Kg Intermediate Bulk Container. The product should be stored in dry, cool conditions away from heat or direct sunlight and it must be protected from freezing. If stored for long periods periodic, slow speed mechanical agitation is recommended prior to using product to ensure homogeneity.

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