



Product Information

Aquarez PVB 610 (formerly DP415-175)

Product Description

Aquarez PVB 610 is a water-based dispersion of a Polyvinyl Butyral plasticised with Butyl Ricinoleate, suitable for use in coating and adhesive applications. Based on a higher molecular weight polymer with low plasticiser ratio it imparts superior tensile strength and forms a stiff, tough and transparent film when dried at temperatures $>60^{\circ}\text{C}$. Film formation temperature can be reduced by addition of more plasticiser. It has excellent adhesion to many substrates, including glass, wood and metal. It is suitable as a binder in Protective Coatings, Strippable Coatings and as a Textile Coating.

Product Features

- Zero VOC content
- Low viscosity
- Free of APEO surfactants
- Increased stiffness
- Increased water resistance
- Resistant to heat and UV
- PVB: Plasticiser ratio 9:1
- Good storage stability & low sedimentation.
- Good compatibility with Waterbased polymer dispersions

Typical Properties (provisional)

- Total solid content 51.5%
- Active solid content 46.5%
- Viscosity <1500 cps
- pH 9-10

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. Its 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 610 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. Periodic, slow speed mechanical agitation is recommended when using this product