Aquaspersions

Product Information

Aquarez PVB DP548-45

Provisional Product Description

Aquarez PVB DP548-45 is a water based emulsion of polyvinyl butyral suitable for use as sole or co-binder in coatings and adhesives applications. Aquarez PVB DP548-45 film forms at ambient temperature to produce a clear, tough and durable coating on glass, plastics, wood and metals. Cured coatings of Aquarez PVB DP548-45 demonstrate excellent adhesion and moderate water resistance making product suitable for use in coatings used as primers and undercoats on a variety of substrates. Aquarez PVB DP548-45 can be cross-linked using compatible water dispersible or blocked isocyanates to increase water, scratch and solvent resistance. Other waterborne crosslinkers reactive with hydroxyl groups and/or adhesion promoters can be used to further enhance adhesion and coating properties.

Product Features

- Water based PVB
- Moderate water resistance.
- Excellent adhesion to metals, glass, plastics, wood and glassfibre
- Contains Texanol as coalescent
- Low viscosity
- Free of APEO surfactants
- Suitable for 1-component coating formulations
- Non-ionic stabilisation

Provisional Typical Properties

- Solids Content 34.7 - 36.7%
- Active PVB Content 32.8%
- Coalescent Content: 12.2%
- Viscosity (RVT) 400 - 1000 cPs
- pH 5 - 8
- Particle Size (d50) <2.5 micron

Application & Dosage

This product can be used as sole or co-binder in waterborne adhesives and coating formulations. Coatings formulated with Aquarez PVB DP548-45 do not require cross-linking at elevated temperatures. Harder cures can be achieved via the addition of a water dispersible or blocked isocyanate followed by ambient or heat cure respectively in accordance with isocyanate manufacturers recommended cure conditions.

Packaging and Storage

Aquarez PVB DP548-45 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. During storage and use periodic, slow speed mechanical agitation is recommended to maintain homogeneity. Shelf life is 6 months in original packaging.

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The recommendations made above are general in nature…Although every effort has been made to supply reliable data, it is for informational purposes only. We cannot guarantee the results as stated to be obtained since we have no control over the end use of the material. Each user must make their own tests to determine the suitability of the material for their own use. Nothing contained herein is intended as a recommendation to use our products to infringe any patent