

Polygel GA 807 BP35

Type

Thixotropic modified acrylic resin

Supply form

35% solid in methoxy propyl acetate/butyl acetate

Suggested applications and properties

Polygel GA807 is designed for controlling aluminium orientation system in wet on wet basecoat color.

The thixotropic properties has give formulation of aluminium paint without using wax dispersion and this improve in-coat adhesion problem causing by over dose of wax dispersion.

The thixotropic properties of the resin also provide good anti setting properties for pigmented system.

Polar solvent can enhance the gel strength of the resin in the final formulation.

Typical Characteristics

Solvent

Non-volatile content

Viscosity at 25°C

Maximum acid value (mgKOH/g)

OH value (mgKOH/g)

Maximum Gardner colour

GA807 BP35

Methoxy propyl acetate/ Butyl acetate

35 ± 2%

thixotropic gel

10

15

5

Compatibility

Polygel GA807 is compatible with most of the acrylic resin. It is also compatible with polyester and some melamine resin.

Solubility

Soluble in aromatic hydrocarbon, ketone, ester and glyco ether and ester solvent.

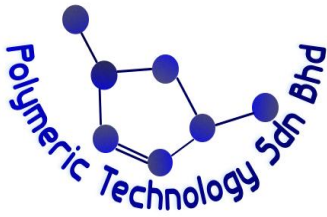
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Recommendations for use

When using GA807 as single resin, it can be formulated up to 30% as supply form in the total formulation. When combined with other resin, GA807 can be formulated at 12 to 25% in the total formulation. It is recommended to use ester solvent to disperse the GA807 for optimum dissolution of the resin in the coating formulation.

Method of using Polygel GA807

To obtain maximum structure, GA807 should be dispersed with minimum solvent to achieve a solution stage before incorporating other raw materials used in the formulation. Once the gel resin is well dispersed into solution form, additional remaining solvent should be continued to achieve a low viscosity mixture for easy incorporation of the other remaining raw material.

As soon as the polygel GA807 has been completely incorporated, the speed of stirring should be decreased to minimum and remainder of the formulation should be added. The polar solvent will be added at the final thinning stage.

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