

Microballoons & General Purpose Thickener

Additives for use in AY&B Epoxy Resin

FEATURES

- Both modifiers are free of toxic compounds such as asbestos. Dust hazard only
- Economical additives for Altex Epoxy Resin System to make glues, fairing, filleting material and fillers
- Easy free sanding properties
- Both modifiers may be mixed in infinitely variable proportions to produce desired consistency and performance
- Convenient re-sealable packaging; containers are resistant to resin and may be used for mixing

RECOMMENDED USES

Microballoons

- Premium ultra light weight filler for fairing, filling and filleting for use above and below the waterline.

General Purpose Thickener (Aerosil)

- Inorganic, asbestos free powder for use in high strength water resistant gluing applications

Thixotropic properties of General Purpose Thickener make it an excellent anti-sag agent in fairing and filleting mixes.

Translucent properties do not affect the colour of glue line.

SPECIFICATION DATA

Appearance and Properties:

Microballoons:

Red powder consisting of hollow phenolic microspheres

Packaging:

NZ Only: 400g (4L) & 2 kg (20L)
AUS & NZ: 12 kg (120L)

General Purpose Thickener (Aerosil):

White Powder

Packaging:

NZ Only: 200g (4L), 1 kg (20L), & 10 KG (200L)

Note: Product may settle after packing.

Storage: Store under cool, dry conditions

Density:

- **Microballoons-** 0.1 kg/L
- **General Purpose Thickener-** 0.05 kg/L

Temperature Resistance

In both cases greater than the epoxy or polyester binder they may be used in.

Shelf Life:

Microballoons: 60 months at 24°C

GP Thickener: 60 months at 24°C

When kept at recommended storage conditions and in original unopened containers. For products/components exceeding the stated shelf life, contact Technical Services for further advice.

DIRECTIONS FOR USE

This guide assumes the use of fillers in AY&B Epoxy Resin System.

Users are advised to read this data in conjunction with the AY&B Epoxy Resin Product Data Sheet.

TYPICAL MIX RATIOS:

Fairing, Filling and Filleting

One part by volume of **mixed** Altex Epoxy Resin plus between two and three parts by volume Microballoons. To prevent sagging, up to one half part by volume General Purpose Thickener may be added.

In certain instances, such as elevated temperatures, the filler material levels may need to be slightly increased to maintain resistance to slumping.

Glue: Brushable Adhesive

One part by volume of **mixed** product Altex Epoxy Resin plus one part by volume General Purpose Thickener.

Glue: Knifing Adhesive

One part by volume of **mixed** product Altex Epoxy Resin plus two parts by volume General Purpose Thickener.

If a heavily filled glue mix is used it is advisable to pre-wet absorbent surfaces to be bonded with neat Altex Epoxy Resin. DO NOT over cramp joints - Epoxy adhesives offer superior strength with a gap-filled glue line.

Note:

The above mix ratios are guide figures only. The proportions of General Purpose Thickener and Microballoons may be varied to suit the specific requirements of the job.

Mixing:

General Purpose Thickener and Microballoons should be added straight after mixing the correct proportions of parts A and B Resin together. A firm paddle motion is the preferred method of mixing at all stages. Avoid the use of high speed mixers as this action tends to entrain air in the mix.

PRECAUTIONS

For industrial & DIY use: Read and follow all the caution statements on this Product Data Sheet, the product label and the Safety Data Sheet (SDS) for health and safety information prior to use.

Dust Hazard - When handling General Purpose Thickener and Microballoons it is advisable to wear a dust mask to prevent inhalation of airborne particles.

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