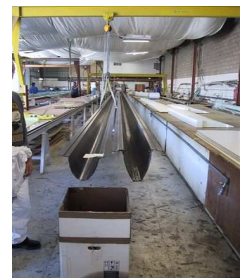




RESOLTECH ALUMINIUMMINIUM

FINE ALUMINIUMMINIUM POWDER/FILLER

- Ideal to create a mechanical cling between gelcoat and following reinforcement layers or castings.
- Increasing of filler content in all RESOLTECH epoxy Gelcoats & ALUMINIUMminium casting resins



The ALUMINIUM 250TV is an ALUMINIUMminium powder with average particle size of 60 μm .

The ALUMINIUM 250TV maybe used as filler for the 2060 ALUMINIUM 25 or the 1450T ALUMINIUM in order to increase the filler content these casting resins and transform them into thick pastes & improve the thermal conductivity of these casting resins.

The ALUMINIUM250TV may also be used to improve adhesion of laminates onto epoxy gelcoats, by providing a mechanical bond rather than chemical bonding.

See pictures of the application section on page 2.

Resoltech ALUMINIUM 250TV

APPLICATION

Powder spread generously the ALUMINIUM 250 TV powder all over the freshly applied gelcoat in order to completely cover it.

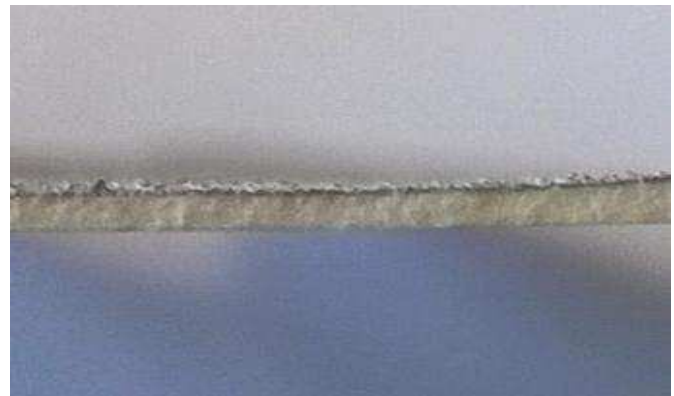
Once the gelcoat hardened, the excess of ALUMINIUM 250 TV must be removed with a brush or a vacuum cleaner, leaving on the back of the gelcoat a fine layer of aluminium with the texture of a 400 grit sanding paper. The filler embedded on the gelcoat will ensure an excellent mechanical adhesion with the reinforcement to be laminated or infused on it.

Tip: The right moment to spread the ALUMINIUM 250TV on the gelcoat depends on the reactivity of the gelcoat and the room temperature: the gelcoat should have started reacting, thus its viscosity should have increased so the aluminium particles will not sink too deep into the gelcoat— but the gelcoat should not be in gel as the particles would not bond to the gelcoat.

To determine the right moment it is recommended to make small tests (postcard size) before industrial applications, spreading the ALUMINIUMminium at intervals of 1/2 hours for example on the 3 samples and letting harden.



Surface aspect once gelcoat has hardened and the excess of non bonded aluminium particles removed.



Zoomed-in detail of ALUMINIUM250TV layer on 0,65 mm gelcoat layer

PHYSICAL CHARACTERISTICS

Granulometry:	< 45 µm: 60 to 85% > 45 µm: 15 to 60% >75 µm: <5%
Chemical Analysis	Al: 99,7% min. Fe: 0,2 % max. Si: 0,12% max. Cu: 0,01% max.
Apparent Density	0,93 –1,0 g/cm3
Bulk Density	2.7g/cm3

Resoltech ALUMINIUM 250TV

COVERAGE

When applying the Aluminum powder onto the gelcoat on a relatively flat mould (largest possible consumption), an average of 350 gr/m² should be planned.

Once the gelcoat has hardened and the excess of Aluminium 250 TV removed, approximately 180gr/m² will stay bonded onto the gelcoat.

LABELLING / TRANSPORT

Non dangerous according to UN,IMO, ADR/RID and IATA/OACI regulations.

PACKAGING

5 kg
25 kg
50 kg

HEALTH & SAFETY

It is advised to follow basic rules such as , wear masks when producing dust. Please read our standard health and safety sheet for more information.

In case of eye contamination, wash with water and seek medical advice.

Nota The data provided in this document is the result of tests and is believed to be accurate. We do not accept any responsibility over the mishandling of these products and our liability is limited strictly to the



35, impasse Emeri • Pôle d'activités
13510 EGUILLES • FRANCE
Tél : +33 4 42 95 01 95 • Fax : +33 4 42 95 01 98
e-mail : export@resoltech.com • website : www.resoltech.com