

Hypetex Finishing Guidelines

Once cured, the part can be removed from the mould and prepared for finishing.

Hypetex recommends the usage of chemical preparation agents and light abrasive preparation.

It is important to limit the risk of breaking fibres and decreasing the strength of the final part.

If the abrasive preparation of the part is needed, a sacrificial layer of glass can be used between the tooling and the Hypetex Carbon. During the sanding process, the layer of glass will be sacrificed to provide a smooth finish without damaging the carbon fibre.

This layer of glass fibre should be as thin as possible to get the best possible transparency. A veil or fabric can be used if it is lower than 30gsm in Fibre areal weight. It will also provide a pinhole-free surface thanks to its low-crimp surfaces. We recommend the use of a glass fibre veil as the layer of sacrificial protection as pictured below.



Recommended Products for finishing

Hypetex coloured fabrics cannot be abraded as normal as this removes the colour. Prep lightly with 320 grit sandpaper and red scotch by hand.

Pre cleaning is done following the normal process.

Lechler/Carbo Clear Process LS143 (29143) ACRYL 2K*

Lacquering Process

- Please read data sheet before use.
- 2 x wet on wet coats, 5 min flash between coats, 15 min flash before bake 40min @ 70c.
- After first application has been completed normal processes are to be followed



Oxeco Kotefast Surface finishing

Lacquering Process

Kotefast treatment is used as a surface preparation prior to painting or lacquering of polymer composite substrates. kotefast can be sprayed or rolled onto a surface and is activated by curing, either in a convection oven or by infra-red. Please refer to the technical data sheet for the application guidelines.

Kotefast is an alternative to mechanical abrasion (sanding, grinding and even vapour blasting/plasma treatment).

<https://www.oxeco.co.uk/resources>

Glass fibre veil for sacrificial protection.

Technical Fibre Products (TFP)

Different veils can be chosen depending on the purpose of the final product.

<https://www.tfpglobal.com/products/composite-materials>

Please contact technical@hypetex.com for further technical information.