

Factory finished joinery

Wood composite components

Wood composite materials are increasingly replacing the wooden glazing bars, decorative moulds, and cover strips used in timber window and door manufacture. A wide variety of profiles can be produced by extruding a heated mixture of wood fibre and polymer through appropriately shaped dies. The resulting product is water and rot resistant, with good dimensional stability.

Once coated with an opaque finish, the composite component blends into the wood frame, and its resistance to warping and distortion on exterior exposure minimises the risk of water ingress at traditionally weak points in a timber window construction, extending maintenance cycles and ultimate service life.

Coating Wood Composite

Wood composite components are coated for decorative reasons, to blend with the surrounding timber, and not generally for protection.

Applying a decorative factory finish is usually straightforward, though because of their resin rich surface, some extra care is necessary to achieve adequate adhesion of the paint film to the composite component.

Adhesion promoting primers, such as Teknoseal 4002 give optimum adhesion and can be readily topcoated with Aquatop 2600, though in most cases the normal Teknos system used in the manufacture of the door or window will give a commercially acceptable result provided the following guidelines are followed.

- Lightly abrade the composite with a fine grade sanding pad to dull the surface, taking care not to scratch it, then solvent wipe to remove dust, oil and grease.
- Apply the coating system using the normal process steps.
- Take care not to overapply primers or topcoats. Water based paints take longer to through dry and cure on non absorbant surfaces, so excessive paint thickness will increase the time taken to develop full adhesion and water resistance.
- Try to allow an extra day before external exposure, particularly if the weather is cold or wet.

Translucent finishes

It is not possible to base stain composites, though generally applying two coats of Aquatop 2600 translucent finish, in the same shade as the surrounding wood, will give a pleasing and commercially acceptable finish.

For more information or assistance please contact your local Teknos Service Centre.



Q wood
TIMBER INNOVATION



Teknos UK and Ireland

Teknos is one of Europe's leading suppliers of industrial wood coatings. We provide technical support and delivery services throughout the UK and Ireland from 3 service centres, located at Swerford, near Banbury, Livingston and Belfast.

For further information, please contact your local service centre.

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The Wood Window Alliance