

Accoya Performance Warranty



EXTENDED PERFORMANCE

Teknos now offer extended coating warranties on exterior joinery manufactured from Accoya and fully factory finished with Teknos approved systems. Warranties of up to 12 YEARS on opaque finishes and 10 YEARS on translucent systems are available subject to exposure conditions. The warranties, available on exterior joinery manufactured from acetylated timber, covers embrittlement, flaking or cracking of the coating system resulting from a coating manufacturing fault.

The extended coating performance described in these warranties is based on Teknos' test results and the reflects the combination of:

- Acetylated timber's enhanced dimensional and UV stability
- Best practice building design, incorporating features including windows set back from openings.
- Joinery design, manufacture and storage in accordance with BWF, WWA and BRE recommendations (see over)
- Windows and Doors complying with the requirements of B5 EN 942: 1996 and BS 644: 2009
- Teknos fully factory applied coating and mould inhibiting systems

PROVEN COATING SYSTEMS

To achieve these extended performance standards, the Teknos coating systems summarised in the table must be applied in full, in accordance with Teknos' specifications. In particular:

- A dry film thickness of at least 120 microns must be applied to all exposed and concealed surfaces, including end grain
- Teknoseal 4000 End Grain Sealer and Teknoseal 4001 Break joint Sealer for doors and windows must be applied with all coating systems following base stain/primer application.

TREATMENT	PRODUCT DESCRIPTION	APPLICATION
Impregnation	Teknos Aqua 1410	Dip/Flow Coat
Base Coat	Aqua Primer 2900	Dip/Spray/Flow Coat
Priming	Aqua Primer 2900	Dip/Flow Coat
Priming/Intermediate Coat	Anti Stain Aqua 5200 Anti Stain Aqua 2901	Spray Spray
Intermediate Coat	Aquatop 2600	Spray
Finish	Aquatop 2600	Spray
End Grain Sealer	Teknoseal 4000	Brush
Break joint Sealer	Teknoseal 4001	Mastic Gun

TIMBER SELECTION

A major factor in prolonging service life and extending recoating intervals is the use of acetylated wood (referred to under the trade name Accoya™). This modification provides a durable substrate with high dimensional stability, particularly in the typical humid climatic conditions experienced in the UK and Ireland. An essential condition of this guarantee is that the moisture content of the timber after acetylation must be in the range of 5 to 7%.



To comply with the requirements of the Teknos Warranty, the Joinery Manufacturer must ensure that the Timberplan® quality and process control documentation is completed in full, and retained by the manufacturer for inspection in the event of a claim.

FOLLOWING BEST PRACTICE

The notes below highlight some of the key elements of best practice design incorporated into Teknos' extended warranty. For further information and detailed coating specifications please consult the Teknos Technical Department.

JOINERY DESIGN

- All exposed edges are to be rounded to a minimum 1.5mm and a 3mm rounding must be achieved where practicable.
- All fixings to be of Stainless Steel.
- All furniture and fittings to be of non-ferrous metal.
- All component profiles to follow best practice design recommendations
- A minimum slope of 9° must be incorporated within the design to the top of any external glazing up stand.
- Sill sections should have a maximum protrusion of 175mm from the frame itself and have an even continual slope away from the bottom of the frame of not less than 9°. A capillary groove should be included on the underside of the sill. The groove, having a minimum width and depth of 6mm, should be positioned at least 12mm from the front edge. The sill's front edges must have a minimum 3mm rounding and a finished thickness of not less than 25mm.

FACTORY GLAZING

- Windows and Doors must be glazed in accordance with Section 4.2 of the Glass & Glazing Federation manual to meet the requirements of BS 6262, and BS 644: 2003, Annex B.
- Externally glazed systems should have no exposed surface fixings.

EXPOSURE AND REDECORATION INTERVALS*

Exterior joinery, manufactured from Accoya and fully protected by Teknos coating systems, would be expected to give a service life in excess of 60 years if the manufacturer's maintenance procedures are followed.

The unique properties of acetylated timber, in conjunction with best design practice, allows regular maintenance periods to be extended, though individual maintenance schedules will be influenced by location, exposure conditions and the type of finish specified.

Typical maintenance cycles for different design and climatic conditions are illustrated in the adjacent table.

The durability of translucent coatings is shade dependant and lower than that for solid (opaque) colours. Generally darker translucent shades will give a longer life to first maintenance than lighter shades.

Please consult Teknos for more details.

HANDLING

Care must be taken to avoid any handling/transit /storage damage. We strongly advise the use of protective wrapping on all joinery items/trims; this is to remain undamaged until fixing. Refer to Teknos for further advice.

SITE STORAGE

All components must be stored under cover, inside a ventilated building. In the event of outside storage, they must be kept clear of the ground on level bearers and protected against dampness and direct sunlight by a suitable protective cover. There must be space for fresh air circulation around and between the components.

INSTALLATION

All joinery is to be installed and soundly fixed in accordance with the manufacturer's instructions, avoiding any damage to the door/frame and its coating system. Additional information can be found in BS 644:2009, Annex B.

FINAL INSPECTION

- All joinery items are to be inspected by either the client's representative or the joinery manufacturer to ensure complete compliance and satisfaction and that all coatings are undamaged at time of handover prior to the completion of the Teknos Guarantee Document.
- If the coating film has been damaged it is essential that the coating system is made good, prior to handover, in accordance with Teknos' recommendations.

BUILDING DESIGN	MILD EXPOSURE	MODERATE EXPOSURE	SEVERE EXPOSURE
SHELTERED	12 years for opaque systems, 10 for translucent*	9 years for opaque systems, 7 for translucent*	9 years for opaque systems, 7 for translucent*
PARTIALLY SHELTERED	12 years for opaque systems, 10 for translucent*	9 years for opaque systems, 7 for translucent*	7 years for opaque systems, 6 for translucent*
EXPOSED	10 years for opaque systems, 8 for translucent*	7 years for opaque systems, 6 for translucent*	6 years for opaque systems, 5 for translucent*

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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