



Working with



Exclusively By



EXTENDED PERFORMANCE WARRANTY

The Teknos joinery range of factory applied coating systems are now available with 12 YEAR and 10 YEAR WARRANTIES on fully factory finished opaque and translucent coating systems. The warranty is available on exterior joinery manufactured from Acetylated timber and covers embrittlement, flaking or cracking of the coating system as a result of a coating manufacturing fault.



EXTENDED PERFORMANCE

The step forward in performance represented by this warranty results from the combination of:

- acetylated timber (Accoya™), with its low in-service moisture uptake and 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 and BRE recommendations (see over)
- Windows and Doors complying with the requirements of BS EN 942: 1996 and BS 644: 2003
- Teknos fully factory applied coating and mould inhibiting system

TIMBER SELECTION

- Acetylated wood referred to under the trade name Accoya™.
- The moisture content of the timber after acetylation to be in the range of 5 to 7%.

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 'V' Joint Sealer for doors and windows must be applied with all coating systems following base stain/primer application.

TREATMENT	PRODUCT DESCRIPTION	APPLICATION METHOD
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	Spray
Intermediate Coat	Aquatop 2600	Spray
Finish	Aquatop 2600	Spray
End Grain Sealer	Teknoseal 4000	Brush
"V" Joint Sealer	Teknoseal 4001	Mastic Gun

IMPORTANT NOTE: 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 should be achieved where practicable.
- All fixings to be of Stainless Steel.
- All furniture and fittings to be of non-ferrous metal.
- All cladding profiles to follow best practice design recommendations (see www.bswaccoya.co.uk for further information)
- A minimum slope of 1:8 must be incorporated within the design to the top of any external glazing upstand.
- The protruding timber sill section 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 1:8. 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 edge 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.

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.

SITE STORAGE

- All components must be stored under cover, preferably 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 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 644:2003, 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 instructions which can be obtained from Teknos.

EXPOSURE CONDITIONS

- To confirm the period of coating guarantees in specific conditions, consideration must be given to the design of the component, its construction, its position and the climate to which it is exposed. The effect of these elements is demonstrated within the table below.
- 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.

BUILDING DESIGN	EXPOSURE / CLIMATE (based on BS EN 927: Part 1)		
	MODERATE: TYPICALLY NON-COASTAL, SHELTERED AREAS AT LOW ALTITUDE	HARSH: THIS WOULD INCLUDE EXPOSED INLAND LOCATIONS AND AREAS WITHIN 0.5 MILES OF THE COAST	EXTREME: ELEVATED LOCATIONS AND EXPOSED INLAND OR COASTAL SITE
SHELTERED E.G. BENEATH PORCH OR LARGE ROOF OVERHANG	12 years for opaque coatings, 10 years for translucent* coatings.	9 years for opaque coatings, 7 years for translucent* coatings.	9 years for opaque coatings, 7 years for translucent* coatings.
PARTLEY SHELTERED E.G. WINDOW BUILT BACK IN REVEAL	12 years for opaque coatings, 10 years for translucent* coatings.	9 years for opaque coatings, 7 years for translucent* coatings.	7 years for opaque coatings, 6 years for translucent* coatings.
NOT SHELTERED, E.G. FACE OF BUILDING	10 years for opaque coatings, 8 years for translucent* coatings.	7 years for opaque coatings, 6 years for translucent* coatings.	6 years for opaque coatings, 5 years for translucent* coatings.

*see note on translucent finish durability under EXPOSURE CONDITIONS

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