

The Sikkens 10 Year Opaque Coating System Guarantee



The Sikkens Wood Protection Programme aims to achieve a more managed sustainable construction by extending the life cycle of timber components through the specification of high performance coating systems, thereby reducing the through life cost of maintenance. The Sikkens joinery range of factory applied coating systems are now available with up to a **10 YEAR COATING SYSTEM GUARANTEE**. The guarantee is designed to cover **embrittlement, flaking or cracking** of the coating system due to a coating manufacturing fault.

The requirements are as follows:

All windows are to be designed to meet the requirements of BS EN 942: 1996 and BS 644: 2003 incorporating the following features:

TIMBER SELECTION

- Consideration should be given to selected laminated or finger jointed sections; this would enable the control of natural defects.
- Where client requirements do not allow the use of selected laminated or finger jointed sections, timber is to be selected in accordance with the standards detailed in BS EN 942: 1996. With regards to the use of European Redwood, the preferred grading would be J2 which ensures the minimum presence of knots and natural defects. The minimum acceptable grade being, J30 for frames and sashes and J10 for beading. Full details can be found in BS 644: 2003.
- The moisture content of the timber must at all times during the application and drying of the coating system conform to the requirements of BS EN 942 : 1996 Timber in joinery - General classification of timber quality. Further details to be found in BS 1186 : Part 1 : 1991.

JOINERY DESIGN

- No protruding timber sill sections.
- All exposed edges are to be rounded to a minimum 1.5mm; a 3mm rounding should be achieved where practicable.

PRESERVATIVE PRE-TREATMENT/ COATING SYSTEM

- The preservative pre-treatment (*where applicable*) and our fully factory finished coating system must be applied in strict accordance with the requirements of Akzo Nobel Specialist Coatings, to achieve a minimum dry film thickness of 120 micrometres on all exposed and concealed surfaces including all end grains.
- Sikkens **Kodrin WV 456** End Grain Sealer and **Kodrin WV 470 'V'** Joint Sealer must be applied with all coating systems following base stain/primer application.
- To enable the joinery team of Akzo Nobel Specialist Coatings to fulfil their customer service commitment, periodic visits will be made to the joinery manufacturers premises to inspect and advise on all aspects of coating application, drying and storage.

FACTORY GLAZING

- Windows must be glazed in accordance with BS 6262 and BS 644: 2003, Annex B.
- The bottom bead should be a vented aluminium bead.
- The use of a full powder coated aluminium bead system is recommended where possible.

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INSTALLATION

All joinery is to be installed and soundly fixed in accordance with the manufacturers instructions, avoiding any damage to the window and its coating system. Additional information can be found in BS 644:2003, Annex D.

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 Sikkens 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 Akzo Nobel Specialist Coatings Joinery Division, Meadow Lane, St. Ives, Cambridgeshire PE27 4UY, UK Tel. **01480 484239**. Fax. 01480 496801. www.sikkens.co.uk

IMPORTANT NOTES

- Owing to the natural characteristics of timber this Guarantee is unable to protect against extractive staining or exudates.
- Joinery should be maintained with Sikkens brush applied coating systems.

- To comply with the requirements of the Sikkens Guarantee It is the responsibility of the joinery manufacturer to ensure that the Guarantee Registration Document is completed and returned within 28 days to Akzo Nobel Specialist Coatings Joinery Division, Meadow Lane, St. Ives, Cambridgeshire PE27 4UY, UK.

GENERAL ADVICE

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 tarpaulin or suitable protective cover. There must be space for air circulation around and between the components.

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

CONSTRUCTION	CLIMATE		
	Moderate, this would include non coastal areas at low altitude	Hard, this would include areas within 1/2 mile of coastline	Extreme, any areas of high altitude e.g. Snowdonia, or Northern Scotland, or exposed coastal areas
Sheltered, e.g. beneath porch or large roof overhang	10 year guarantee	7 year guarantee	7 year guarantee
Partly sheltered, e.g. window built back into reveal	10 year guarantee	7 year guarantee	5 year guarantee
Not sheltered, e.g. face of building	7 year guarantee	5 year guarantee	5 year guarantee

This guide is based on BS EN 927 : Part 1.

Note

The information contained within this document is correct at the time of print – February 2005

This document is covered by the Akzo Nobel Decorative Coatings confidentiality agreement, a copy of which is available from Akzo Nobel Specialist Coatings Joinery Division, Meadow Lane, St. Ives, Cambridgeshire PE27 4UY, UK.

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