

### Oak exterior joinery

#### Remedial maintenance

Oak is a popular and durable timber for exterior joinery applications but has a tendency to develop surface checking (splits) when externally exposed, and to discolour in sunlight. As a result it needs more frequent maintenance, particularly early in its service life, to maintain decorative appearance.

Teknos never recommend using clear finishes on external oak joinery but are frequently asked for remedial advice on installations which have been coated with clear finishes or inappropriate coating systems.

These guidance notes are intended to guide remedial work on oak joinery and further advice is given in the Teknos maintenance guidelines.

#### Removing discolouration

The discolouration shown in the top picture is caused by moisture penetrating the coating and activating the natural acidic tannins in the oak surface. Though not a sign of rot, it is visually unappealing but can be treated and repaired by removing the coating and top surface of the timber.

A mains powered detailed sander, is the quickest and most consistent method of removing the affected layer. Feather back the sanded area into the surrounding unaffected area then reinstate the coating system in line with Teknos "Maintenance Guidelines".

#### Open joints and gaps

Discolouration often results from moisture ingress through open joints and gaps.

Inspect all external joints, gaps and end grain and reseal them using Teknoseal 4001 and Teknoseal 4000 break joint and end grain sealers. After treatment apply a full coat of Aquatop 2600 in the appropriate translucent shade.



Staining can be sanded out using a detail sander and the coating system reinstated



Gaps and exposed end grain should be sealed with Teknoseal products before the coating is reapplied

*Note: No remedial work should be undertaken until the joinery has been allowed to dry out (with moisture content below 16%) and climatic conditions are suitable for redecoration.*

#### 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.

Teknos (UK) Limited  
Unit E1, Heath Farm  
Banbury Road  
Swerford  
Oxfordshire OX7 4BN

Tel: +44 (0) 1608 683494  
Fax: +44 (0) 1608 683487

Email: [sales@teknos.co.uk](mailto:sales@teknos.co.uk)  
Web: [www.teknos.co.uk](http://www.teknos.co.uk)

Teknos Scotland Limited  
Nettlehill Road  
Houston Industrial Estate  
Livingston  
EH54 5DL

Tel: +44 (0) 1506 436222  
Fax: +44 (0) 1506 448826

Email: [sales.scotland@teknos.co.uk](mailto:sales.scotland@teknos.co.uk)  
Web: [www.teknos.co.uk](http://www.teknos.co.uk)

Teknos Ireland Limited  
Unit 1  
Fortwilliam Industrial Estate  
Dargan Crescent  
Belfast BT3 9JP

Tel: +44 (0) 2890 960670  
Fax: +44 (0) 2890 960674

Email: [sales.ni@teknos.co.uk](mailto:sales.ni@teknos.co.uk)  
Web: [www.teknos.co.uk](http://www.teknos.co.uk)

