

Ancillary products

Uses and applications

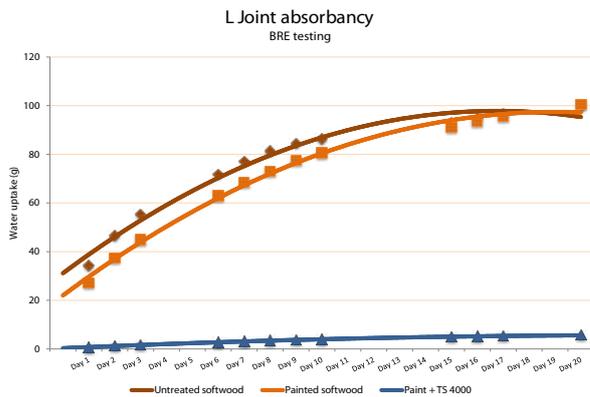
Choosing a good paint system will extend the decorative appearance and maintenance cycles on exterior joinery, but to maximise service life particular attention has to be paid to protecting the areas vulnerable to moisture ingress.

Teknos' ancillary products, incorporated into the factory coating process and subsequent maintenance, can greatly extend service life by sealing end grain, construction and break joints preventing moisture penetration and decay.

Teknoseal 4000: end grain sealing

The rate of water absorption in exterior joinery is several orders of magnitude greater through the end grain than through the face of a component. Unprotected end grain acts like blotting paper, drawing in moisture and creating ideal conditions for coating delamination, timber discolouration and ultimately rot.

Painting and preservative treatment have little impact on end grain absorption and the only effective protection is to seal any exposed end grain .

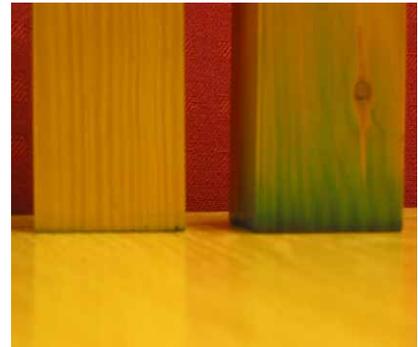


The graph above shows the results of water uptake tests conducted for Teknos by the Building Research Establishment.

Teknoseal 4000, a water based end grain sealer, dramatically reduces the vulnerability of end grain to moisture ingress extending both maintenance intervals and ultimate service life.

Teknoseal 4000 is typically applied by brush, ideally in two coats, and dries to a clear finish in about 30 minutes. It can be applied to bare or primed timber, though on translucent systems it must be applied *after* base stain to ensure colour continuity.

A sprayable version, Teknoseal 4002, is available for large areas such as MDF and fibre board sheeting.



The untreated end grain on the component at the right acts like a blotting paper, sucking in moisture



After 24 months exposure, moisture ingress on the untreated end grain on the right hand component has caused splitting, discolouration and adhesion failure at the cut edge



Teknoseal 4000 applied by brush to exposed end grain prior to factory finishing

Teknoseal 4001: construction joint protection

Rounded construction and break joints are an attractive and effective feature of modern joinery design, but can expose end grain on the machined rounded edges or create water traps on horizontal joints.

Teknoseal 4001, applied by mastic gun, is a water based flexible sealant which dries to a clear finish and provides a smooth surface for subsequent painting. It is suitable for opaque finishes and for translucent systems when applied *after* the base stain has dried.

Teknoseal 4001 is *not* intended as a filler, it has no structural strength and should not be used to bridge gaps.

To seal construction joints, apply a thin bead of Teknoseal 4001 to the joint area, wipe off any excess and smooth into the joint using a moist, but not wet, sponge. Teknoseal 4001 changes colour from white to clear as it dries, typically in around 30 minutes, and can be over coated when completely colourless.



Teknofill 5001: fine surface filler

Surface defects, checks and cracks around knots can be visually unattractive and disrupt subsequently applied coating systems, leading to localised breakdown.

Teknofill 5001 is a single component, water based, white acrylic filler which, applied by palette knife, fills and levels surface defects. It has excellent sanding properties and dries in around 3 hours to a smooth fine surface ready for opaque topcoat application.

Teknofill 5001 is particularly recommended as a filler around knots, where it enhances resistance to tannin migration.

Teknos knotting: stain blocking solution

Knots in softwood are an attractive feature when the joinery is finished with a translucent coating system, but may cause staining problems if the joinery is coated with an opaque and particularly white finish. There is no completely effective solution to resinous knot bleeding, but treatment with Teknos knotting solution and over coating with anti Stain Aqua 2901 or 5200 primer before topcoating will effectively minimise staining in most circumstances.

Teknos knotting is applied by brush over the whole area of the knot with an overlap onto the adjoining sound timber and can be primed within 1 hour of treatment.

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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