

TREATMENT OF KNOTS AND END-GRAIN

KNOTS

The area in and around knots needs particular attention due to the high density of the knots and levels of resin they contain.



Elevated temperatures during drying will increase the risk of resin exudation as the mobility of the resin is increased with temperatures above 35° C

Around resinous knots/timber however, if insufficient drying time is allowed, resin migration will continue after the joinery has been factory finished and cause staining of opaque finishes.



Water-based preservatives reduce the problem, though do not eliminate it completely.

Movement within knots that result in cracks must be treated with an antistain primer such as ANTISTAIN AQUA 5210 and filled with TEKNOFILL 5001.

This provides an additional barrier and a continuous surface for the knotting to seal.



TEKNOFILL 5001-00 is an aqueous product for spot filling of primed wood designated for interior and exterior use such as windows and doors.

To be used together with ANTISTAIN AQUA 5210 in order to minimise resin penetration from knots in pine. TEKNOFILL 5001-00 can be applied by filling knife.

TEKNOFILL 5001 should not be applied direct to wood.

Then finally, apply Teknos ANTISTAIN AQUA 5200 or ANTISTAIN AQUA 5210 prior to any opaque topcoats.

These guidelines will significantly reduce, although not completely prevent, knot staining and minimise site remedial work. The only way to completely eliminate knot staining is to switch to knot free or laminated timber.



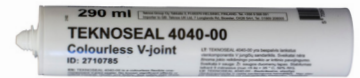
Always refer to the Technical Datasheet for full instructions on how to use Teknos products.

END GRAIN

The most vulnerable part of exterior joinery is the end grain, which readily absorbs moisture, discolouring the timber and reducing the adhesion of the coating system.

A full glue joint is essential to protect end grain within a joint, and we strongly recommend all exposed end grain is treated with DRYWOOD KOPSE END GRAIN SEALER and all construction joints are filled with TEKNOSEAL 4040.

These sealers will substantially reduce the uptake of moisture through end grain, especially important when coating mitre joints, and significantly extend the life of the coating system.



Opaque and translucent systems: after applying your basestain or primer, brush apply two full coats of Teknos end grain sealer and allow to dry fully prior to spraying the paint system.

Prior to final topcoat application, apply a thin bead of Teknos DRYWOOD OPTI-JOINT XP to all construction joints and treat end grain on the tops and bottoms of doors.



For further support, contact your local Teknos representative or visit [teknos.com](https://www.teknos.com)