

***Total Factory Applied
Protection***



Factory Finishing ... a total process solution



Factory Finished Joinery

Teknos Total Factory Applied Protection Systems allow joinery manufacturers to produce fully engineered exterior joinery, with almost unlimited colour choice, in a single integrated finishing process.

By combining topically applied preservation technology, innovative end-grain and joint sealing with protective basecoats and flexible micro porous finishes, the Teknos system allows manufacturers to meet the latest European performance standards whilst reducing process times and working capital.

Independently accredited and environmentally sensitive, the Teknos system marks another significant step in improved joinery quality and performance from one of Europe's leaders in industrial wood coatings.



Total process solution

Developed for both bespoke and volume manufacturers, Teknos' Timber Protection System can be applied with outstanding results by dip application and hand finishing, or on the latest automatic plant; employing continuous flow coat, robotic spray and accelerated drying systems.

Rapid application times combine with fast drying and application to minimise work in progress, shorten lead times, eliminate production bottlenecks; thus improving Customer service.

The fully water based system significantly reduces the harmful emissions and disposal issues associated with many conventional solvent based preservatives whilst minimising tannin migration and eliminating extended drying and storage times.

Accreditation and lifetime assurance



Independent accreditation

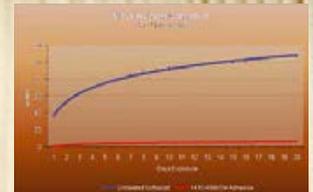
Teknos' Total Factory Applied Protection Systems comply with the requirements of BS EN 927, BS EN 644 and BS EN 599, the European Standard for factory finished preservative treated timber, and with the leaching and ageing resistance requirements determined by EN 84 and EN 73.

The full system is certified by RAL Gütegemeinschaft 821/817; IFT Rosenheim (535 25424); and by the Danish Technological Institute (358-02/2004).

Independent testing by the UK Building Research Establishment (BRE 225-386) has shown the system to outperform traditional approaches by inhibiting rot, mould and moisture ingress, leading to its acceptance by the UK National House Building Council (NHBC).



Independent tests confirm the importance of robust end grain protection to minimise moisture ingress, prevent rot and extend service life. Source: UK Building Research Establishment



Durability & Service Life

Teknos exterior joinery systems, applied to well designed factory finished joinery, set industry leading standards for durability and performance.

Through its membership of the Wood Window Alliance of joinery manufacturers, installers and leading component suppliers, Teknos is at the forefront of raising and codifying UK industry standards for exterior joinery. Independent research by Imperial College and the Davis Langdon Group confirms factory finished joinery, protected by Teknos systems, and manufactured and maintained to WWA standards, will perform for the design life of a typical building, give lower lifetime costs, and reduce greenhouse gas emissions compared with competing technologies.

Teknos provides detailed maintenance programs for its factory applied systems and through partnerships with decorators and its Timberplan® scheme offers maintenance continuity with simple one coat systems to keep joinery performing and looking good throughout its service life.

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



Applying construction joint sealer to vulnerable v joints by cartridge gun



Proven coating systems



Wood preservative contains actives that penetrate the wood



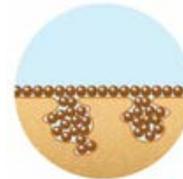
Fluid evaporates, leaving active ingredients which protect against fungus and decay



Pine treated with TEKNOL® AQUA 1410 (on the right) and untreated control after accelerated condensation test



Traditional primers sit on the surface of the timber with limited penetration



Aqua Primer's® nano particle technology increases penetration depth, ensuring outstanding protection



Water is repelled but micro porosity allows moisture to escape

TEKNOL® AQUA 1410

Unique water based preservative for flow and dip coating application. Active biocides inhibit mould and fungal growth and resist migration on ageing. Application times to achieve the specified 77 g/m² loading are typically in the range of 10-15 seconds, with over coating in normal factory drying conditions in 1-2 hours.

AQUA PRIMER® 2907

Dip or flow applied primer, combining the preservative properties of TEKNOL AQUA 1410 and the base stain protection of AQUA PRIMER 2900 in single product.

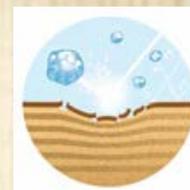
Teknos TEKNOL® AQUA 1410 and AQUA PRIMER® 2907 contain active biocides and are registered with the UK HSE under reference 7940 and 9168 and with the Irish DoA under reference PCS 95227 and PCS 96217. Both products are undergoing full BPD approval.

AQUA PRIMER® Base stain and Opaque Primer

Dip, flow or spray applied, the exclusive water based polymers have outstanding filling and penetrating qualities, enhance adhesion and minimise grain raising.

ANTISTAIN AQUA® Primers

Water based isolating paints which can be used as priming or intermediate coats to prevent tannin staining on hardwood species or minimise extractive staining on softwood knots.



ANTISTAIN AQUA isolating products minimise tannin discolouration from tropical hardwoods and knotty softwood

Teknoseal 4000 blocks water transfer through vulnerable end grain, preventing staining and rot

AQUATOP significantly reduces microfoaming - the formation of air bubbles which reduce clarity and provide a path for moisture ingress

Tough, flexible surface resists cracking"

AQUATOP® 2600

AQUATOP® translucent and opaque topcoats provide extended protection against weathering, UV degradation, mould and fungal attack. Proprietary technology minimises micro foaming in the final paint film, extending coating durability and giving added clarity to translucent finishes.

AQUATOP®'s unique blend of water based acrylic polymers allow high film builds to be applied in the factory which dry quickly and rapidly resist blocking.

AQUATOP® is also available for brush application, providing maintenance continuity.

TEKNOSEAL® 4000 End Grain Sealer

A water based barrier coat which penetrates and seals porous end grain, reducing moisture uptake by up to 90%.

TEKNOSEAL® 4001 Construction Joint Filler

A clear, flexible, overcoatable compound which bridges the natural movement in construction joints and seals exposed end grain, preventing moisture penetration.

TEKNOFILL® 5001 Fine Surface Filler

Solvent free acrylic filler, which dries to a smooth, fine surface and is easily sanded and quickly overcoatable. Used in combination with Anti Stain Aqua 5200, provides enhanced resistance to knot staining.



Teknos committed to quality ...

Teknos and its joinery manufacturing partners share a commitment to quality and to meeting and exceeding best practice.

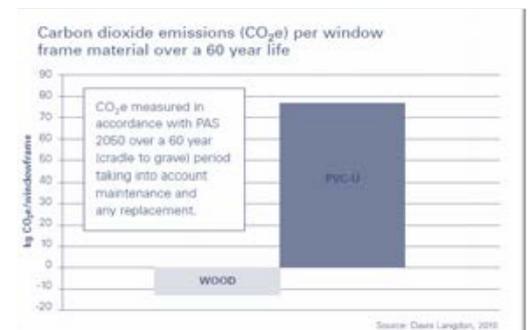
All Teknos factories have quality and environmental management systems, certified in accordance with ISO 9001 and ISO 14001, and our Industrial Wood plant in Vamdrup also holds an EMAS certificate.

Teknos joinery coatings, in keeping with their Scandinavian heritage, are water based, with VOC levels significantly below current and proposed legislative levels, and free of all heavy metal additives.



All Teknos factories have independently certified quality and environmental management systems

... protecting our environment



Timber windows, protected by Teknos water based coatings, are not only energy efficient; they reduce CO² emissions by up to 89 kg over a typical 60 year service life. Source: Davis Langdon LLP

Teknos Total Factory Applied Protection System, year long protection, year after year



Teknos Group Companies

Teknos is one of Europe's leading suppliers of joinery coatings and a major producer of industrial, powder and architectural paints.

Teknos companies operate throughout the Nordic region; in Germany; UK; Ireland; Scotland; Poland; Slovenia; Russia, Ukraine, China, Vietnam and through a network of agents and distributors in around 20 other European countries.

The Group's pre-eminence in exterior joinery protection is founded on sustained levels of R&D expenditure, a strong concern for the environment, and it's commitment to Customer Partnerships based on innovative products, reliable supply and value added coating solutions.

Teknos is one of Scandinavia's largest family-owned businesses.

Teknos Oy

Helsinki factory, Head office
Takkatie 3, P.O.Box 107
FI-00371 HELSINKI
Finland
Tel. +358 9 506 091
sales@tekno.fi

Teknos Oy

Rajamäki factory
Perämatkuntie 12,
P.O.Box 14
FI-05201 RAJAMÄKI
Finland
Tel. +358 9 506 091
sales@tekno.fi

Teknos A/S

Industrivej 19
DK-6580 VAMDRUP
Denmark
Tel. +45 76 93 94 00
tekno@tekno.dk

Teknos AB

Limmaredsv. 2, P.O.Box 211
SE-514 24 TRANEMO
Sweden
Tel. +46 325 619 500
info@tekno.se

Teknos Deutschland GmbH

Edelzeller Strasse 62
D-36043 FULDA
Germany
Tel. +49 661 1080
info@tekno.de

Teknos Norge AS

Industriveien 28
NO-3430 SPIKKESTAD
Norway
Tel. +47 31 29 49 00
tekno@tekno.no

Teknos Sp. z o.o.

ul. Ziemowita 59
PL-03-885 WARSAW
Poland
Tel. +48 22 678 70 04
biuro@tekno.pl

Teknos Oliva Sp. z o.o.

ul. Chwaszczynska 129-149
PL-81-571 GDYNIA
Poland
Tel. +48 58 629 91 62
oliva@oliva.com.pl

Teknos d.o.o.

Kidriceva cesta 94
SI-4220 Škofja Loka
Slovenia
Tel. +386 4 236 58 78
Fax +386 4 236 58 79
info@tekno.si

Teknos LLC

50 Artema Str.
Office 5B
04053 KIEV
Ukraine
Tel. +38 044 359 0333
tekno.ukraine@tekno.com

Teknos OOO

Butyrskij Val, 68/70, bl.4, of.211
127055 MOSCOW
Russia
Tel./Fax +7(495) 967 19 61
tekno.russia@tekno.com

Teknos Ohtek OOO

Ul. Boksitogorskaya, 9 lit. Z
195248 ST PETERSBURG
Russia
Tel. +7(812) 320 76 28
Fax +7(921) 573 12 87
sales@teknoohtek.ru

Teknos Deko OOO

Joint Venture Company
Lomonosovosky District
Kipen village
Ropshinskoye shosse 2 build 4
188515 LENINGRAD REGION
Russia
Tel. +7(921) 934 48806
k.shangin@tekno.deko.ru

Teknos Oy

Representative Office
Kiseljova Street 55, rom 12
220002 MINSK
Republic of Belarus
Tel./Fax +375 17 237 4336
vladimir.shienok@tekno.com

Teknos Coatings Trading

(Shanghai) Co., Ltd
Rm 405a-407a Silver Centre
No. 1388 North Shan Xi Road
Putuo District
SHANGHAI 200060
Peoples's Republic of China
Tel. +86 21 6149 8582
tekno.china@tekno.com

Teknos A/S

Representative Office
MR2, Level 4 Centec Tower
72-74 Nguyen Thi Minh Khai Street
District 3, HO CHI MINH CITY
Vietnam
Tel. +84 8 3822 0425
tekno@tekno.vn

Teknos Group Oy

Teknos Group's parent company
Takkatie 3, P.O.Box 107
FI-00371 HELSINKI
Finland
Tel. +358 9 506 091
sales@tekno.fi
www.tekno.com

Teknos UK and Ireland

Teknos provide technical support and delivery services 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@tekno.co.uk
Web: www.tekno.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@tekno.co.uk
Web: www.tekno.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@tekno.co.uk
Web: www.tekno.co.uk