

Teknos Oy
Takkatie 3, P.O.Box 107
FI-00371 Helsinki
FINLAND
Tel.: +358 (09) 506 091
Fax: +358 (09) 5060 9503
sales@teknos.fi

Teknos A/S
Industrivej 19, P.O.Box 73
DK-6580 Vamdrup
DENMARK
Tel.: +45 76 93 94 00
Fax: +45 76 93 95 07
salg@teknos.dk

Teknos AB
Limnaredsvägen 2
SE-514 24 Tranemo
SWEDEN
Tel.: +46 325 619 500
Fax: +46 325 767 54
info@teknos.se

Teknos Deutschland GmbH
Edelzeller Straße 62
DE-36043 Fulda
GERMANY
Tel.: +49 (0) 661 108-0
Fax: +49 (0) 661 108-255
info@teknos.de

Teknos Norge AS
Industriveien 28
NO-3430 Spikkestad
NORWAY
Tel.: +47 31 29 49 00
Fax: +47 31 27 16 13
teknos@teknos.no

Teknos Sp. z o.o.
ul. Sterdynska 1
PL-03-797 Warszawa
POLAND
Tel.: +48 (22) 67 87 004
Fax: +48 (22) 67 87 995
biuro@teknos.pl

Teknos UK Ltd
Unit E1, Heath Farm
Banbury Road, Swerford
Oxfordshire, OX7 4BN
ENGLAND
Tel.: +44 (0) 1608 683 494
Fax: +44 (0) 1608 683 487
sales@teknos.co.uk

Teknos Ireland
T/A L A Cook & Company Ltd
Unit 1, Fortwilliam Industrial Estate
Dargan Crescent
Belfast BT3 9JP
IRELAND
Tel: +44 (0) 2890 960670
Fax: +44 (0) 2890 960674
sales.ni@teknos.co.uk

Teknos Nova Coil TNC Oy
Takkatie 3, P.O.Box 107
FI-00371 Helsinki
FINLAND
Tel.: +358 9 506 901
Fax: +358 9 5060 9224
sales@teknos.fi

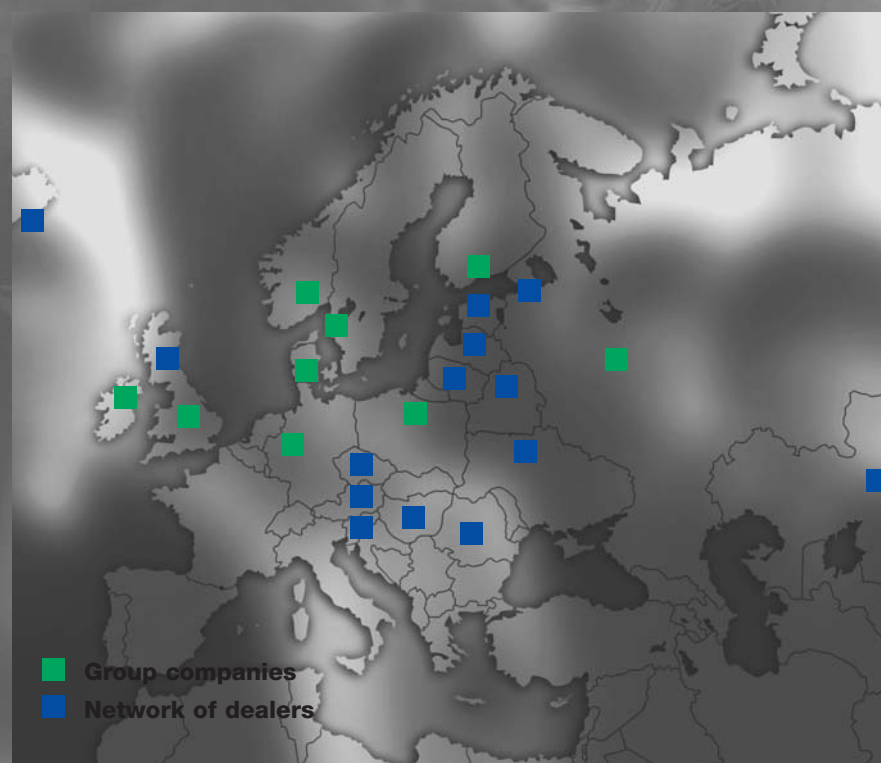
OOO Teknos
Stromynskij pereulok
d. 6 off. 210
107076 Moscow
RUSSIA
Tel.: +7 495 580 7886
Fax: +7 495 269 1797
teknos.moscow@sovintel.ru

Teknos Group Oy
Parent Company
Takkatie 3, P.O.Box 107
FI-00371 Helsinki
FINLAND
Tel.: +358 9 506 091
Fax: +358 9 5060 9515
sales@teknos.fi

www.teknos.com

Contact Teknos

Teknos has a long and proud history in the paint business, and with Companies, agents and dealerships in more than 20 countries, Customer support is never far away. For more information about Teknos and its Customer Service program please call us or visit our home page at www.teknos.com



Paint Systems for windows and doors...

The Teknos Group

Teknos is one of Scandinavia's leading suppliers of industrial coatings and a major participant in the retail and architectural paint markets. Group companies operate in Scandinavia, Germany, Russia, United Kingdom, Ireland and Poland, and through a well-established network of agents and representatives in about twenty other European countries. Teknos employs around 1000 staff, with over 150 working in research and development. Group turnover is around EUR 200 million. Teknos' strengths lie in its strong technical know-how, supported by sustained investment in research and development, and a desire, through its *Teknos Way programme*, to become the preferred Paint Partner of all of its customers.

Three core elements lie at the heart of the "Teknos Way" partnership:

Innovation

Ever higher product quality and performance standards and new, more demanding, environmental regulations continue to shorten product life cycles. Teknos' concentration on research and development ensures that it meets the market's demand for new coating solutions and services.

Reliability

Fast and reliable delivery is one of today's key priorities. Teknos' European Supply Chain, modern production facilities and TEKNO MIX® system ensure rapid and reliable deliveries throughout Europe.

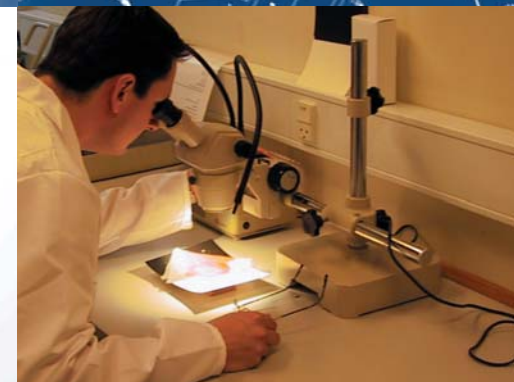
Value Added

A key Teknos objective is that its coating solutions and services deliver true Customer value, by offering the optimum balance of price, performance and service.



As a Customer driven supplier, many of Teknos' products are a result of a close collaboration with customers to develop and adjust products to match their quality requirements or application methods.

Teknos has also invested heavily in full-scale application centres, where products can be tested and fine tuned under production line conditions before being brought to market.



Teknos invests significantly in research and development...

Wood a natural material...

Wood, is one of nature's oldest raw materials, yet modern production techniques, combined with Teknos coating technology, ensure that today's wooden windows and doors meet the highest functional and aesthetic demands of the 21st century.

Dependent on timber species, different Teknos systems may be specified to achieve optimum protection. Inadequate protection will lead to excessive absorption or loss of moisture and to dimensional fluctuation as the timber cells swell or contract. The consequent straining and opening of joints creates further weak points in the structure leading to eventual failure as the cycle repeats itself.

As well as dimensional stability, the coating system must also protect against biological and fungal attack and resist the UV radiation in natural sunlight. Insufficient protection will lead to an accelerated reduction in gloss and colour and eventually the UV radiation will penetrate the paint film and decompose the lignin in the timber.

The paint film has to resist the many harmful elements, which the wooden door and window are exposed to.

Rain, snow, and mist create extreme levels of humidity.

Air pollution and acid rain degrade the coating, acting as initiators for biological and fungal attack.

Natural sunlight irradiates the coating and warms the substrate as part of the daily heat/cold cycle.

Wind, combined with hail, dust, salt and sand, physically abrade, the paint film.

Different preservation methods...

There are three critical elements to preserving timber and ensuring its long-term performance:

Constructional preservation

Constructional preservation requires high standards of design and engineering to allow, for example, rain and condensation to flow off wooden elements quickly. National guidelines and industry standards provide a basic minimum for good joinery design.

Chemical preservation

Chemical preservation is achieved through use of Teknos impregnation products. These products contain ingredients to protect wood against biological and fungal attack.

TEKNOL AQUA®

Surface preservation

Surface preservation is determined by the coating system, which provides long-term protection against humidity, UV radiation and fungal attack. Teknos products are specifically designed to provide this protection on wooden windows and doors, as well as offer long-lasting aesthetic appeal.

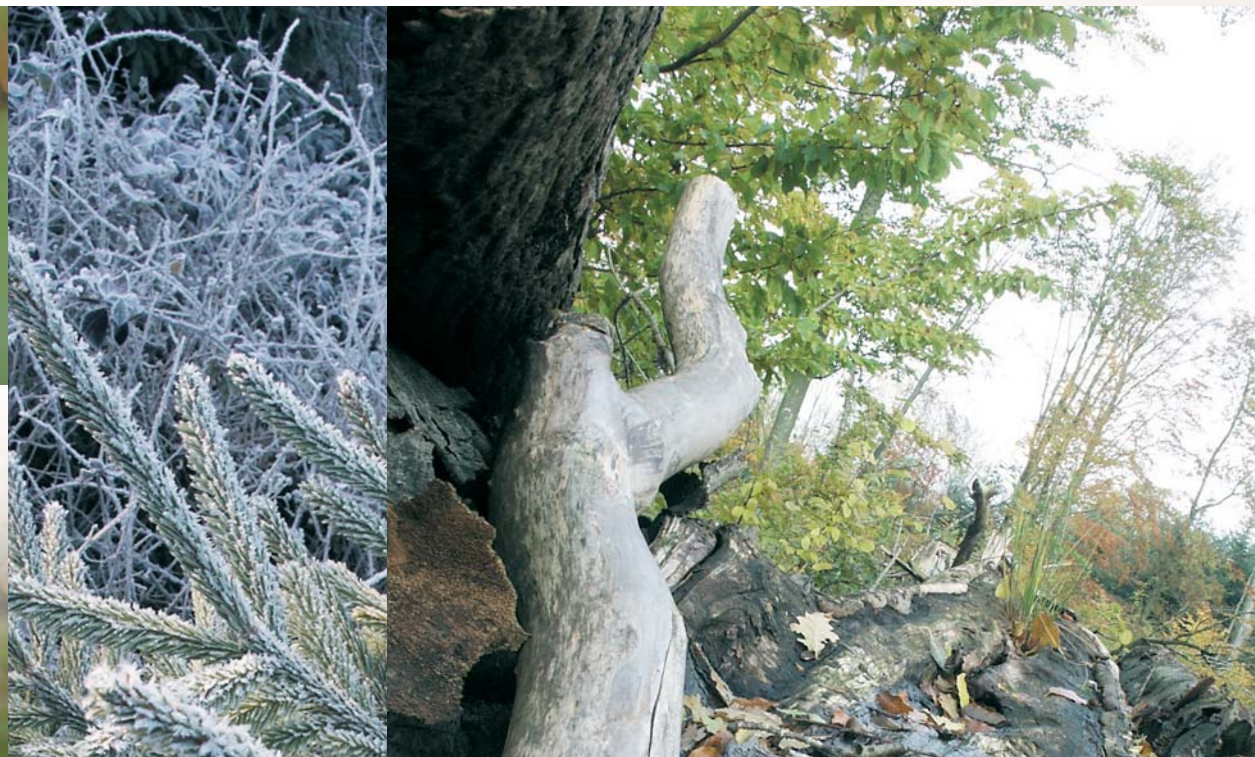
AQUA PRIMER®

AQUATOP®

TEKNOSEAL®

ANTISTAIN AQUA®

AQUA FILLER®



Teknos' products meet your requirements...

Impregnation

Teknos chemical protection range contains traditional solvent-based and water-based impregnation. Both ranges are suitable for dipping, flow coat or vacuum process application and are designed to achieve excellent depth penetration and lasting protection.

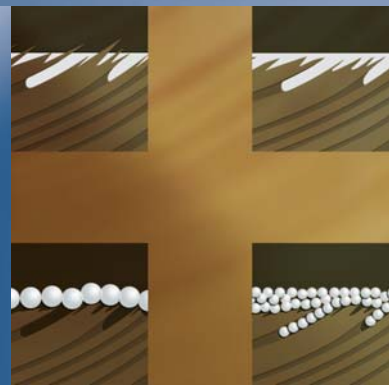


Primer

Teknos primers for wooden doors & windows are marketed under the AQUA PRIMER® brand. These water-based products have excellent filling power and are based on a special polymer, which penetrates the timber, enhancing adhesion to the substrate and following topcoat. AQUA PRIMER® products are designed to minimise the raising of wood fibres, eliminating or significantly reducing the need for sanding.

AQUA PRIMER® can be applied by dip, flow coat or spray processes and are available both in translucent and opaque shades.

Teknos AQUA PRIMER® polymer technology ensures that the raising of fibres after priming is minimised, reducing or eliminating the need for a following sanding process.



Traditional Primer

AQUA PRIMER®

The unique polymer system and ultra fine particle size in AQUA PRIMER® increases penetration depth, ensuring outstanding adhesion to the timber and the following topcoats.

Topcoat

AQUATOP®, is Teknos' range of water-based topcoats. AQUATOP® products are designed to provide long-term protection against humidity, UV-radiation and fungal attack, and are available in a wide range of opaque and translucent colours.

Typically applied by air assisted or airless spray, and by high speed Bells, AQUATOP® products are high build, quick drying and rapidly resist blocking, a significant advantage in factory applications.

To achieve optimum performance from the paint system, bubbles and microfoaming in the paint film must be kept on a minimum - a key element in AQUATOP® superior durability. Teknos AQUATOP® technology outperforms competing products.



Traditional Topcoat (x40)

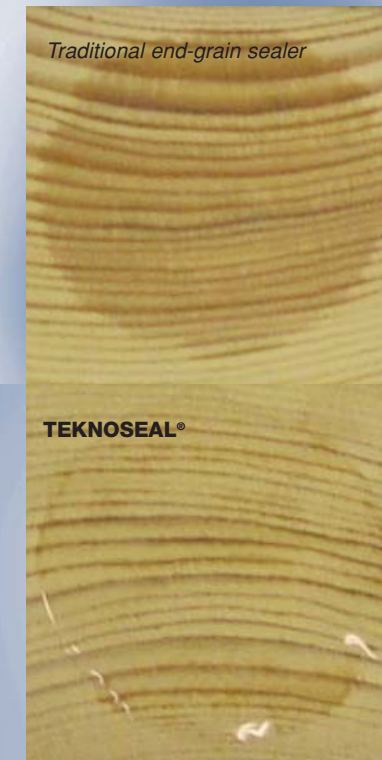
AQUATOP® (x40)

Special requirements require special products...

Teknos' leading position in protecting windows and doors is not only based on high volume products, but also on the Teknos range of speciality products.

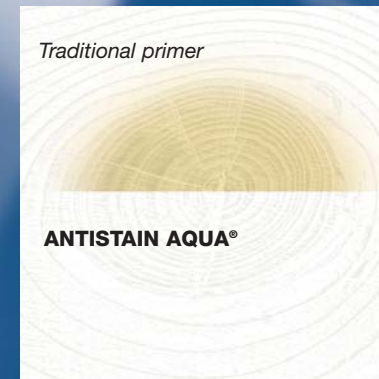
TEKNOSEAL®

The TEKNOSEAL® product range includes both a joint sealer for use on V-joints on wooden doors and windows and also an end-grain sealer, which is used to avoid penetration of moisture through end-grain.



Traditional end-grain sealer

TEKNOSEAL®



Traditional primer

ANTISTAIN AQUA®

ANTISTAIN AQUA®

A range of water-based isolating products, which are applied as primers or intermediate coats. The products are used as sealing coats on "knotty" soft wood, or on hard wood with a high content of soluble components, which may cause discoloration of the paint film.



Traditional primer

ANTISTAIN AQUA®

Coating of exterior windows and doors in non-wood substrates...

Though wood is the traditional construction material for windows and doors, in recent times other materials have grown in popularity.

Composite & Plastic...

Composite window and door sets provide an engineered alternative to traditional joinery, offering good structural stability, excellent durability, and a more natural appearance than conventional plastic. Teknos TEKNODUR AQUA® System has been specially developed to compliment the extended durability and low maintenance features of composite materials and plastic. Based on Teknos' water-based technology, TEKNODUR AQUA® exceeds the most stringent requirements of planned European emission standards. The coating system provides a tough, chemically cross-linked barrier, resistant to UV and moisture attack, offering extended maintenance life.

Combined wood/aluminium...

Windows produced from wood/aluminium composites are also growing in popularity, particularly in Northern and Central Europe. Teknos has developed a combination of top quality products to provide a system that meets the quality and aesthetic demands of this system.

The internal components of the window are first treated with TEKNOL AQUA® water-based impregnation, to ensure an effective preservation. AQUATOP® is then applied as a finish to provide a very hard and abrasion resistant finish.

The external aluminium profile is coated with Teknos' GSB and Qualicoat approved INFRALIT® powder, for proven durability and appearance.

TEKNODUR AQUA®
TEKNOL AQUA®
AQUATOP®
INFRALIT®

Coating of interior doors...

Teknos market a broad range of products for the industrial finishing of interior doors.

In this market, in particular, the coating finish often makes the first impression, and is critical to the end-users initial judgement on the quality and performance of the door.

Equally important, however, are the production and process demands of the door manufacturers. It is this balance of technical and aesthetic demands on the coating, together with a growing requirement for environmentally compatible coating solutions, which are the drivers of Teknos' product development.

The product range for interior doors covers a wide field of innovative and traditional technologies due to the varied demands from the market:

TEKNOCOAT®
Acid curing products

TEKNOCOAT® AQUA
Water-based products

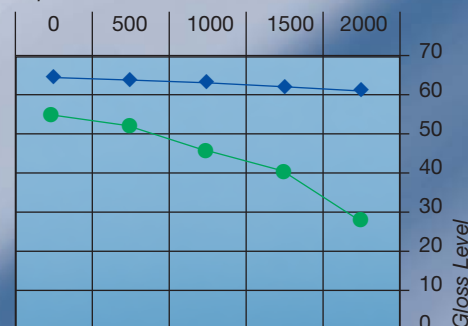
UVILUX®
UV curing systems

TEKNOLUX® AQUA
Water-based UV curing systems



Available in a wide range of opaque shades or as a translucent finish in combination with a sprayable patina, TEKNODUR AQUA® is designed for efficient, user-friendly, factory application and low lifetime maintenance costs.

Exposure hours-QUV



TEKNODUR AQUA®
 ◆: TEKNODUR AQUA®
 ●: Traditional coating system

Environmental concern is an important issue in this market, and UV technology, 100% solids roller coat products as well as water-based spray systems, offers many advantages. Teknos is working with its "Partners" to convert to UV solutions, which offer long-term performance and cost advantages as well as overcoming the environmental objections to traditional solvent-based paints.

More than long-lasting Paint Systems...

TEKNOMIX® Tinting System...

Accurate, fast, on-time deliveries

The TEKNOMIX® System is an integrated production system, which has been progressively developed by Teknos since the 1980's.

The TEKNOMIX® System is fast, accurate and easy to use. It is fully computer-controlled and, as a result of continuous development with the equipment producer, represents "state of the art" technology, reliability and user-friendliness.

The TEKNOMIX® System is an integral part of all Teknos operations, and ensures consistency of product and fast, on-time, delivery throughout Europe. In line with the *Teknos Way programme*, all our agents are provided with TEKNOMIX® Tinting Systems and the concept has also been installed in customer plants.

TEKNOCARE®

No coating lasts forever, but with the TEKNOCARE® Box, Teknos is well on the way!

The TEKNOCARE® Box contains a special cleaning agent and a "balsam product", which brightens up the finish and ensures a long-lasting high performance of the coating system.

TEKNOPATCH® uses the original paint to repair minor in-service damage, and imperfections from the production or installation process.

Quality norms and standards...

Teknos' paint systems for windows and doors are manufactured to meet ISO 9001 & ISO 14001 quality and environmental requirements and also performance tested by third parties to National and International Standards. This test program provides reassurance to customers on long-term performance and provides useful correlation with research work.



Teknos' coating systems ensure long lasting performance on exterior joinery.

