

TEKNOSHIELD 4003

Water-based Garden Furniture Surface Treatment

**Durable enhancement**

TEKNOSHIELD 4003 is a water-based surface treatment product with a set of unique properties, which outperforms the traditional wood oil products in terms of surface durability, water repellency and dirt resistancy. The surface treatment product applied directly on wood – being hardwood or softwood – brings out the natural beauty of the wood, and returns a surface with a highly natural appearance with enhanced durability properties. TEKNOSHIELD 4003 can be tinted to obtain optimal colour equalisation features.

Advanced formulation

TEKNOSHIELD 4003 is based upon an advanced formulation which gives an oil rich, durable and water repellent surface. The deep penetration and excellent adhesion properties in combination with high grade UV protection and high degree of water repellency results in a long lasting surface treatment which is able to withstand the demanding

conditions of both tropic and sub tropic climate zones.

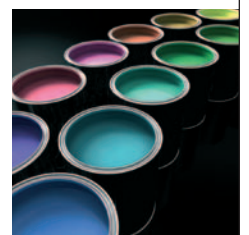
Comprehensive product package

TEKNOSHIELD 4003 is a further extension to Teknos' comprehensive product package for surface treatment of wooden Garden Furniture and exterior wood, which has proven its qualities over years. Teknos is a well established supplier for the exterior wood area, who has mastered longlasting customer partnerships in Scandinavia, Central Europe, Baltic Countries and Asia.

Give us a call

A call to Teknos is a quick and easy way to get sound advice if you are considering using TEKNOSHIELD 4003 or any other Teknos surface coating product.

Our technical support organisation are always ready to support you in designing your optimal coatings solution and application system.



▲ TEKNOSHIELD 4003 allows the natural timber tone to show through or alternatively giving the treatment a colour tone to equalise and harmonise the aesthetic appearance.

The advanced formulation allows for a wide range of application options – always returning an excellent result. ▼





Features and benefits

Features	Benefits
Robust product based upon advanced technologies.	Easy and versatile application of the product supports a problem free production process.
Formulated to be able to hold tinting paste, and still maintain versatile application options including application by dipping.	Support your customers with the translucent colours they want – combined with colour equalisation properties.
State-of-art raw materials.	Highly durable water repellent and dirt resistant surface with a natural, oil rich appearance even after long-term outdoor exposure.
Layer thickness – only 50-100 g/m ² .	Cost efficient production process based upon an effective penetration of the outer perimeter of the treated surface.

Exposure results

Test setup: Teak wood applied according to recommendations and outdoor exposed.

Teak wood treated with TEKNOSHIELD 4003.

Result: Maintaining a natural, oil rich and translucent look with no surface defects (no cracks, peels or blisters).

Water/ Cocking Oil surface repellency check: No signs on the surface after the water and oil being applied for longer than 1 hour.

Teak wood treated with a standard solvent-based wood oil

Result: Wood surface with very visible surface defects (eroded or cracked surface appearance). Full treatment process incl. sanding requested to restore exposed parts.

Water/ Cocking Oil surface repellency check: Large and visible spots after both water and oil being applied for longer than 1 hour.



Teak treated with TEKNOSHIELD 4003

Unexposed



Teak treated with TEKNOSHIELD 4003

Outdoor exposure for intensive UV and humidity



Teak treated with standard solvent based wood oil

Outdoor exposure for intensive UV and humidity

TEKNOSHIELD 4003

Content	Synthetic and natural resins, water
Packing	20 l

Recommended coating systems

	Hardwood Colourless / Translucent	Softwood Translucent
Wood preservative*	–	TEKNOL AQUA 1410
Topcoat	TEKNOSHIELD 4003	TEKNOSHIELD 4003

* Use biocides safely. Always read the label and product information before use. BPD product approval in process – R4BP BPD registration numbers upon request.

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