

# TEKNOL AQUA 1414-01

## Wood preservative for flow coating / dipping

TEKNOL AQUA 1414-01 is a colourless aqueous industrial wood preservative for new untreated wood designated for exterior use (use classes 2-3) as defined in EN 335-1 such as windows and doors.



This product has been designed to meet the increasing regulatory and environmental demands. It complies with EN 599-1 requirements, offering solid protection of the wood surface and the treated area against both wood rotting (EN113) and wood discoloring fungi (EN152). Furthermore, the wood becomes more dimensional stable. TEKNOL AQUA 1414-01 helps to minimize patchiness in subsequent translucent surface treatments.

Before use, the manufacturer or technical service department should be consulted to confirm the product's suitability for the specific substrate, coating system, and exposure conditions.

Please see "Additional information" for approved countries and national registration numbers.



## TECHNICAL DATA

<b>Certificates, approvals and classification</b>	The Biocidal Products Regulation (BPR, Regulation (EU) 528/2012), EN 599-1, EN 927-2
<b>Active ingredient</b>	0.5% IPBC 0.05% Penflufen
<b>Fields of application</b>	Cladding boards, Windows, Window shutters, Garden furniture, Exterior doors, Exterior playground equipment
<b>Recommended substrate</b>	Hardwood, Softwood
<b>Solids</b>	Approx. 5% by volume
<b>Volatile organic compound (VOC)</b>	Approx. 5 g/l (DIRECTIVE 2010/75/EU) The VOC value provided is the average value for factory produced products, and consequently it will be subject to variations between individual products covered by this Technical Data Sheet.
<b>Theoretical spreading rate</b>	May vary according to wood quality and application method.
<b>Colours</b>	Colourless.

### Storage

The product must be stored at temperatures +5°C - +30°C.  
Shelf life in unopened containers: See "Expiration date" on the label.  
Keep containers tightly closed after use.  
For HDPE containers only: protect from light.  
Store away from foodstuffs.  
Should not be exposed to direct sunlight.  
Freshly treated timber shall be stored until dried after treatment under shelter on impermeable hard standing to prevent direct losses to soil, sewer or water.

### Packaging

20 l, 120 l, 1000 l.

## DIRECTION FOR USE

### Surface preparation

The wood must be free from wood dust and contamination.  
The moisture content of the wood should be:  
Windows and doors: approx. 13% and should not exceed 15%.  
Cladding: should not exceed 18%.

### Application method

Indoor and outdoor application: brush, roller, pad treatment.  
Only indoor application: brush machine, flow coating, vacumat, automated or manual dipping, automated or manual spray treatment.

### Recommended amount to be applied

This is achieved by 1-2 applications.  
Blue stain fungi: 100-110 g/m<sup>2</sup>.  
Wood rotting fungi (white and brown): 70-110 g/m<sup>2</sup>.

### Application

Handle product and dry freshly treated wood in areas with good ventilation.  
All industrial application processes must be carried out within a contained area situated on impermeable hard standing with bunding to prevent run-off and a recovery system in place (e.g. sump).  
Any losses of the product shall be collected for reuse or disposal. Do not use on wood which may come into contact with food, feed, drinking water or drink and livestock. The person responsible for placing the treated wood on the market must ensure that the treated wood is not intended for uses involving contact with food, feed or livestock.

### Application conditions

Stir thoroughly before use.  
Due to evaporation, the solid content of the liquid must be adjusted with water regularly. This adjustment is based on the measured solid of the liquid in the system.  
Optimum temperature for products and surroundings: +15°C - +30°C.  
Humidity levels below 80% RH.

### Thinning

The product is delivered ready for use.

<b>Drying time</b>	+20°C / 50% RH
<b>- dry to handle</b>	1-2 h
<b>- overcoatable</b>	2-3 h
	The drying time can be reduced using special drying systems to force drying. The drying times are approximate and may vary according to wood quality, temperatures, humidity, and ventilation.
<b>Coating system</b>	Wood must be treated with top coat before taking into service. The person responsible for placing the treated wood on the market must ensure that a topcoat is applied. The topcoat cannot contain a film or wood preservative. The topcoat must be classified as stable according to European Standard EN 927-2.
<b>Cleaning</b>	Water.

## HEALTH AND SAFETY

**Safety and precaution measures** See safety data sheet.

## ADDITIONAL INFORMATION

<b>Maintenance instructions</b>	The surface treatment must be maintained.
<b>Waste management</b>	Material and all related packaging must be disposed in a safe way in accordance with full requirements of local authorities.

<b>Additional information</b>	<b>National registration numbers:</b>	
	Belgium:	BE2025-0028
	Bulgaria:	3814-1
	Croatia:	KLASA:UP/I-543-04/26-12/08
	Denmark:	BPR-reg. nr. 417-23
	Estonia:	EE-0036024-0000
	Finland:	FI-2026-0003
	France:	FR-0036023-0000
	Germany:	DE-0036027-08
	Hungary:	HU-2026-MA-08-00530-0000
	Ireland:	IE/BPA 70940
	Italy:	2025/01073/MRP
	Latvia:	LV/2025/MR/014
	Lithuania:	PAP5090
	Luxembourg:	LU-0036033-0000
	Netherlands:	NL-0036028-0000
	Norway:	NO-2026-0274
Slovakia:	SK26-001	
Spain:	ES/MR(NA)-2026-08-01018	
Sweden:	6080	
Switzerland:	CH-2026-0001	

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