

Test Report

EN 927-5

Report No.: 287207-5



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Bnou/sbrh

Order no.: 287207

No. of appendices: 1

Assignor: Teknos A/S
Industrivej 19
DK-6580 Vamdrup
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Material: The test specimens were treated according to assignor's directions:
Teknol Aqua 1414-01. Dipping 95 (86-105) g/m²
ANTISTAIN AQUA 5300 Colourless. Spraying 162-198 g/m² ~ 150 (135-165) µm/m² wet film
AQUATOP 2600-6x Colourless. Spraying 300 (270-330) g/m²

Sampling: The test material was sampled by the client and received at the Danish Technological Institute on 12-12-2024.

Method: EN 927: Paints and varnishes - Coating materials and coating systems for exterior wood Part 5:2023. Assessment of the liquid water permeability.

Period: The testing was carried out from 10-01-2025 to 24-02-2025.
Water permeability test took place from 21-02-2025 to 24-02-2025.

Result:

Test Panels:	Average (min-max)	Unit
Wood density (12% MC)	426 (417-432)	kg/m ³
Teknol Aqua 1414-01	90 (87-95)	g/m ²
ANTISTAIN AQUA 5300 Colourless	179 (166-197)	g/m ²
AQUATOP 2600-6x Colourless	304 (302-305)	g/m ²
Dry film thickness	106 (95-120)	µm
Water absorption after 72 hours	78 (74-82)	g/m ²
- standard deviation	3	g/m ²
- coefficient of variation	4	%
Reference panels (test of sealer):		
Wood density (12% MC)	453 (433-465)	kg/m ³
Water absorption after 72 hours	19 (16-24)	g/m ²

Assessment: According to EN 927-2:2022. Part 2: Performance specification. The tested system performs as 'Stable' regarding water absorption (≤ 175 g/m²).

Validity: Water absorption after 72 hours on reference specimens was ≤ 30 g/m². The test is valid.

Terms: This test was conducted accredited in accordance with international requirements ISO/IEC 17025:2017 and in accordance with the General Terms and Conditions of Danish Technological Institute. The test results solely apply to the tested item. This test report may be quoted in extract only if Danish Technological Institute has granted its written consent.
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31. marts 2025

TEKNOLOGISK INSTITUT



TEST Reg.no. 2

Detailed results

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Initials: Bnou/Sbrh

Substrate: Norway spruce (*Picea abies* (L.) Karst.).

Material specification: Teknol Aqua 1414-01. ID: 2712550.
ANTISTAIN AQUA 5300 Colourless. ID: 2687940. Lot: 427302-201.
AQUATOP 2600-6x Colourless. ID: 10002111 Lot: 423879-201.

Treatment:	Coat	Trade name	Type	Application method and date	Recommended amount [g/m ²]
	1	Teknol Aqua 1414-01	Primer	Dipping 10-01-2025	86-105
	2	ANTISTAIN AQUA 5300 Colourless	Primer	Spraying 17-01-2025	162-198
	3	AQUATOP 2600-6x Colourless	Topcoat	Spraying 20-01-2025	270-330

Results:

Test panels							
Panel no.	501		502		503		Average
Density [kg/m³]	417		432		428		426
Application data							
Coat 1 [g/m²]	87		87		95		90
Coat 2 [g/m²]	175		166		197		179
Coat 3 [g/m²]	305		304		302		304
Dry film thickness							
Thickness [µm]	95 / 100 / 100 / 105 / 110		95 / 100 / 105 / 105 / 110		100 / 105 / 120 / 120 / 120		106
Std.dev. [µm]	6		6		10		8
Water absorption							
Panel part	A	B	A	B	A	B	Average
Absorption [g/m²]	74	77	79	77	82	78	78
Std.dev. [g/m²]	3						
COV [%]	4						
Reference panels (test of sealer)							
Panel no.	R101		R102		R103		Average
Density [kg/m³]	433		461		465		453
Water absorption							
	A	B	A	B	A	B	Average
Absorption [g/m²]	17	16	17	23	18	24	19
Std.dev. [g/m²]	3						
COV [%]	16						