DANISH TECHNOLOGICAL INSTITUTE

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DANAK
TEST Reg.no. 358

Teknos A/S
Industrivej 19
6580 Vamdrup

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Test Report

Material:

The system under test is Teknos´ Internal system no. 15

- GORI 356 Colourless (Code 356-00200)
- GORI 615 White (Code 615-01-1000)
- GORI 650 Colourless (Code 650-30-5000)
- GORI 660 White (Code 660-05-1000)

The test specimens were treated at Danish Technological Institute on 21-04-2009 with impregnation GORI 356 Colourless on 22-04-2009 with primer GORI 615 White and intermediate coat GORI 650 Colourless and on 23-04-2009 with topcoat GORI 660 White.
The formulation is not disclosed.

Method:

EN 152-1: 1988. "Wood preservatives - Laboratory method for determining the protective effectiveness of a preservative treatment against blue stain in service. Part 1: Brushing procedure".

Result:

Treatment	Blue stain on surface (Average)	Smallest depth of blue stain-free zone – (mm) *	Mean depth of blue stain-free zone – (mm) *
Tested system	0	1.5	3.0
Control specimens			
Reference without fungicide	3	0.0	0.0
Untreated control, with weathering	3	0.0	0.0
Untreated control, without weathering	3	0.0	0.0

* Rounded off to 0.5 mm.

Appendices:

Appendix 1. Surface treatment and exposure.
Appendix 2. Detailed results of treatment and biological assessment.

Note:

The interpretation of this test report and the practical conclusions that can be drawn from it require a basic knowledge of the problems of wood preservation. For this reason this test report alone does not indicate any official approval of the wood preservative tested.

Storage:

The samples will be destroyed after 6 months, if nothing else has been agreed in writing.

Terms:

The test has been performed according to the attached conditions, which are according to the guidelines laid down by DANAK (The Danish Accreditation). The testing is only valid for the tested specimen. The test report may only be extracted, if the laboratory has approved the extract.

Software:

This report was generated by wood protection laboratory software version 3.11 of 2009-10-09.

18-01-2010, Danish Technological Institute, Wood and Textile, Taastrup

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Co-reader

Appendix 1. Surface treatment and exposure.

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EN 152-1 Wood preservatives - Laboratory method for determining the protective effectiveness of a preservative treatment against blue stain in service. Part 1: Brushing Procedure.

Surface Treatment, System under test:	Impregnation: GORI 356 Colourless - Dipping, one-sided The directions of the assignor for wet film: 130 – 140 g/m². Primer: GORI 615 White - Dipping, one-sided The directions of the assignor for wet film: 100 – 120 µm corresponding to 124 – 149 g/m². Due to high viscosity of the product it was not possible to fulfil the direction for application rate. Intermediate coat: GORI 650 Colourless - Dipping, one-sided The directions of the assignor for wet film: 90 – 110 µm corresponding to 93 – 113 g/m². Due to high viscosity of the product it was not possible to fulfil the direction for application rate. Topcoat: GORI 660 White - Spray application The directions of the assignor for wet film: 275 – 300 µm corresponding to 327 – 357 g/m².
Surface Treatment, Reference without fungicide:	50 % Linseed Oil varnish, 50 % white spirit - Brush application, according to direction in EN 152-1.
Dilutions:	None
Wood Species:	Scotch pine, sapwood (*Pinus sylvestris* L.)
Period:	The testing was carried out from 15-04-2009 to 06-01-2010.
Weathering:	Outdoor testing has been carried out at controlled test site at DTI in Taastrup from 29-04-2009 to 29-10-2009. The specimens were oriented 45° to the south.
Incubation:	6 weeks at 21°C / 70 % RH from 24-11-2009 to 05-01-2010.
Evaluation Date:	06-01-2010
No. of Replica:	6
Sterilisation:	Ionising radiation (2 x 50 kGy)
Test Fungi:	*Aureobasidium pullulans*, P 268 *Sydowia pithyophilia*, S 231.
Accept criteria according to EN 599-1	At the end of test no individual rating ≥2, min. stain-free zone 1.0 mm, mean 1.5 mm