CE

Ha Serv
we believe in wood

DECLARATION OF PERFORMANCE no 2

The undersigned, representing the

Ha Serv OÜ

and the manufacturing plant in

Reola, Ülenurme parish, Tartu county, Estonia

Herewith declares that the

solid wood panelling and cladding

with or without tongue and grove, without surface coating

for internal and external use is being produced in conformity with the provisions of

EC Regulation NO 305/2011 Construction Products

and fulfills the product CE label marking characteristics, which are described in

EN 14915:2013

Products declared performances are specified in annex A

Date: 05.05.2015

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Marko Kevvai

CEO

Annex **A,** declaration nr 2 – Untreated and thermo treated solid hardwood and softwood panelling and cladding

Characteristic	***Performance declaration***													
Wood species, common name	**Aspen**	**Alder**	**Norway spruce**	**Aspen**	**Alder**	**Alder**	**Norway spruce**	**Scots pine**	**Larch**	**American ash**	**Western red cedar**	**Abachi**	**Abachi**	**Radiata pine**
Scientific name	*Populus tremula*	*Alnus glutinosa*	*Picea abies*	*Populus tremula*	*Alnus glutinosa*	*Alnus glutinosa*	*Picea abies*	*Pinus sylvestris*	*Larix sibirica*	*Fraxinus americana*	*Thuja plicata*	*Triplochiton scleroxylon*	*Triplochiton scleroxylon*	*Pinus radiata*
Treatment type	–	–	–	**Thermo-S**	**Thermo-S**	**Thermo-D**	**Thermo-D**	**Thermo-D**	–	**Thermo-D**	–	–	**Thermo-D**	**Thermo-D**
Growth area	Northern and Eastern Europe								Asia	N-America		Africa		New-Zealand
Intended use	Internal						Internal & external					Internal		
Use specification	Wall and ceiling													
Avg. density of the timber (kg/m3)	450 [4]	530 [4]	460 [4]	430	510	490	420	420	610 [4]	660	370 [4]	390 [4]	350	410
Minimum thickness t_1/t_2 (mm)	12/8,5	12/8,5	12/8,5	12/8,5	12/8,5	12/8,5	15/8,5	18/12	18/12	18/12	12/8,5	12/8,5	12/8,5	15/8,5
Reaction to fire class *EN 14915:2013, Table 1*	D-s2, d0	D-s2, d0	D-s2, d0	D-s2, d0	D-s2, d0	D-s2, d0	D-s2, d0	D-s2, d0	D-s2, d0	D-s2, d0	D-s2, d0	D-s2, d0	D-s2, d0	D-s2, d0
Formaldehyde class	E1 (no surface coating)													
Content of pentachlorophenol	NPD													
Water vapour permeability (wet cup) *EN 14915 clause 5.4*	65	73	66	63	70	69	62	63	81	86	57	59	55	61
Sound absorption coefficent *EN 14915 clause 5.5*	0,1/0,3	0,1/0,3	0,1/0,3	0,1/0,3	0,1/0,3	0,1/0,3	0,1/0,3	0,1/0,3	0,1/0,3	0,1/0,3	0,1/0,3	0,1/0,3	0,1/0,3	0,1/0,3
Thermal resistance (W/m K) *EN 14915 clause 5.6*	0,12	0,14	0,12	0,12	0,13	0,13	0,11	0,12	0,16	0,17	0,10	0,11	0,10	0,11
Resistance to fixing *EN 14915 clause 5.7*	NPD						AD	AD	NE	NE	NPD			AD
Biological durability *EN 350-2, CEN/TS 15083-1*	Class 5	Class 5	Class 4	Class 4[1]	Class 4[1]	Class 2[1]	Class 2[2]	Class 1[3]	Class 3-4	Class 1[3]	Class 2	Class 5	Not tested	

[1] Test protocol EN 113 (CEN/TS 15083-1), Albert-Ludwig-University Freiburg

[2] Test report according to CEN/TS 15083-1, Latvian State Institute of Wood Chemistry, Notified Body number : 2040

[3] Test report 2212072-1, 2212072-2 Entwicklungs- und Prüflabor Holztechnologie GmbH, Notified Body number : 0766

[4] technical specification EN 350-2:1999