„MEŽA UN KOKSNES PRODUKTU PĒTNIECĪBAS UN ATTĪSTĪBAS INSTITŪTS" SIA
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EN ISO/IEC 17025
T-316

Extended application classification of reaction to fire in accordance with EN 13501-1:2018

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Sponsor:

Teknos AB.

Address: Limmaredsvägen 2, 51424 Tranemo, Sweden. Reg. No. 556047-6714.

Teknos Norge AS

Address: Industriveien 28, 3430 Spikkestad, Norway. VAT No. NO961644739MVA.

Manufacturer and owner of classification report: Teknos Norge AS and Teknos AB.

Prepared by: SIA "Meža un koksnes produktu pētniecības un attīstības institūts" *(Forest and Wood Products Research and Development Institute Ltd).*

Test performed at: SIA "Meža un koksnes produktu pētniecības un attīstības institūts" (*Forest and Wood Products Research and Development Institute Ltd),* "Pienavas katlu māja", Pienava, Džūkstes pagasts, Tukuma novads, LV-3147, Latvia *("Pienava heat plant", Pienava, Džūkste parish, Tukums region, LV-3147, Latvia*).

Product name: Spruce and pine wood cladding.

Laboratory involved in testing is accredited by the Latvian National Accreditation Bureau (LATAK) according to the standard LVS EN ISO/IEC 17025 under the terms of Latvian legislation with reg. No. T-316. Laboratory is a notified body with reg. No. NB 2040 under construction product regulation No. 305/2011.

1. Introduction

This classification report defines the reaction to fire classification assigned to spruce and pine wood cladding in accordance with the procedures given in EN 13501-1:2018.

2. Details of classified product

2.1. General

Spruce and pine wood cladding is defined as solid wood cladding according to standard EN 14915:2013.

2.2. Product description

- Product name: Spruce and pine wood cladding.
- Manufacturer: Teknos Norge AS and Teknos AB.
- Materials used for manufacturing:
  - non-impregnated and with Cu impregnated pine and spruce wood;
- Density: $\geq$ 390 kg/m^3.
- Nominal thickness tested: 16 mm and 19 mm.
- Profile type: straight edge profile and shiplap profile with minimal profile thickness 9.5 mm.
- Coating systems tested for extended application:

  - Primed and painted spruce cladding, achieved with Teknol 3881 ≤100 g/m^2 and Nordica Eko 3330 ≤130 g/m^2;
  - Primed and painted spruce cladding, achieved with Teknol 1888 ≤100 g/m^2 and Nordica Eko 3894 ≤130 g/m^2;
  - Primed and painted spruce cladding, achieved with Teknol 1888 ≤100 g/m^2 and Nordica Eko 3330 ≤130 g/m^2;
  - Primed and painted spruce cladding, achieved with Teknol 2881 ≤100 g/m^2 and Nordica Eko 3330 ≤130 g/m^2;
  - Primed and painted spruce cladding, achieved with two layers of Teknol 3881 total amount ≤ 300 g/m^2;
  - Primed and painted spruce cladding, achieved with two layers of Teknoclad 3371 total amount ≤ 200 g/m^2 and backside with Teknoclad 3371 ≤50 g/m^2;
  - Primed and painted spruce cladding, achieved with Drywood Woodstain VV ≤120 g/m^2 and Drywood Woodstain VV ≤90 g/m^2 and backside with Drywood Woodstain VV ≤190 g/m^2;
  - Primed with rot protection and intermediate coats spruce cladding, achieved with Aqua primer 2907-42 ≤175 g/m^2 and Nordica Eko 3894 ≤175 g/m^2;
  - Primed with rot protection and intermediate coats spruce cladding, achieved with Teknol Aqua 1410 ≤50 g/m^2, Teknol 3881 ≤175 g/m^2 and Nordica Eko 3330 ≤175 g/m^2;
  - Primed with rot protection and intermediate coats spruce cladding, achieved with Aqua primer 2907-42 ≤175 g/m^2 and Nordica Eko 3330 ≤175 g/m^2.
  - Primed solid wood cladding, achieved with CU impregnation and primed with opaque Teknol 3881 ≤120 g/m^2 wet;
  - Primed and painted solid wood cladding, achieved with CU impregnation and primed with opaque Teknol 3881 ≤120 g/m^2 wet and opaque Teknol 3881 ≤120 g/m^2;
  - Primed solid wood cladding, primed with opaque Teknol 3890 ≤120 g/m^2 wet;
  - Primed solid wood cladding, primed with opaque Teknol 3881 ≤120 g/m^2 wet;
  - Primed solid wood cladding, achieved with transparent or white primer Teknol 1888 ≤100 g/m^2 wet;
  - Primed solid wood cladding, achieved with transparent primer Teknol 1830 ≤100 g/m^2 wet;
  - Primed and painted solid wood cladding, achieved with transparent primer Teknol 1830 ≤100 g/m^2 wet and transparent Nordica Eko 3894≤150 g/m^2;
  - Stained solid wood cladding, achieved with Teknos Teknoshield 4005 ≤90 g/m^2 wet;
  - Primed solid wood cladding, achieved with Teknos Aqua primer 2907-02 ≤100 g/m^2 wet;
  - Primed and painted solid wood cladding, achieved with Teknos Aqua primer 2907-02 ≤100 g/m^2 wet and Teknos Nordica Eko 3330≤125 g/m^2 wet;
  - Primed solid wood cladding, achieved with Teknos Aqua primer 2907-42 ≤125 g/m^2 wet;

- Primed and painted solid wood cladding, achieved with Teknos Aqua primer 2907-42 ≤125 g/m^2 wet and Teknos Nordica Eko 3894 ≤125 g/m^2 wet;
- Primed and painted spruce cladding with topcoat, achieved with primer Teknol 3881 ≤100 g/m^2 and two layers of Nordica Eko 3330 ≤110 g/m^2;
- Primed and painted spruce cladding with topcoat, achieved with primer Teknol 3881 ≤100 g/m^2 and two layers of Nordica Eko House paint ≤110 g/m^2;
- Primed and painted spruce cladding with topcoat, achieved with primer Teknol 3881 ≤100 g/m^2 and two layers of Teknos Drywood Visa or Drywood Mesterens Houspaint ≤110 g/m^2;
- Primed and painted spruce cladding with topcoat, achieved with primer Teknol 3881 ≤100 g/m^2, Nordica Eko House paint ≤110 g/m^2 and Teknos Drywood Visa or Drywood Mesterens Houspaint ≤110 g/m^2;
- Primed and painted spruce cladding with topcoat, achieved with primer Teknol 3881 ≤100 g/m^2, Nordica Eko 3330 ≤110 g/m^2 and Nordica Eko House paint ≤110 g/m^2;
- Stained spruce cladding, achieved with Teknoshield 4016 ≤80-90 g/m^2;
- Primed and painted spruce cladding with topcoat, achieved with primer Teknoshield 4016 ≤120 g/m^2 and topcoat Woodex Aqua Classic ≤90 g/m^2.
- Primed spruce cladding, achieved with Teknol 1881 ≤130 g/m^2;
- Primed spruce cladding, achieved with Teknol 2881 ≤130 g/m^2;
- Primed and intermediate coated spruce cladding, achieved with Teknol 2881 ≤130 g/m^2 and Nordica EKO 150 g/m^2;
- Primed spruce cladding, achieved with Teknol 3881 ≤188 g/m^2;
- Primed and intermediate coated spruce cladding, achieved with Teknol 3881 ≤150 g/m^2 and Teknol 3881 ≤150 g/m^2;
- Primed spruce cladding, achieved with Teknol 4881 ≤154 g/m^2;
- Primed and intermediate coated spruce cladding, achieved with Teknol 4881 ≤150 g/m^2 and Nordica EKO 3330 ≤100 g/m^2;
- Primed and intermediate coated spruce cladding, achieved with Teknol Aqua 1410 ≤100 g/m^2 and Teknol 1888 ≤120 g/m^2;
- Primed and intermediate coated spruce cladding, achieved with Teknol Aqua 1410 ≤100 g/m^2 and Nordica EKO 3330 ≤120 g/m^2;
- Primed, intermediate and topcoated spruce cladding, achieved with Teknol Aqua 1410 ≤100 g/m^2, Nordica EKO 3330 ≤120 g/m^2 and Woodex Aqua Classic ≤155 g/m^2.

3. Test reports and test results in support of classification

3.1. Specific conditions

Not applicable

3.2. Test reports

Name of laboratory	Name of sponsor	Test reports	Test method
SIA „ Meža un koksnes produktu pētniecības un attīstības institūts" Testing Laboratory	Teknos Norge AS	5409-1/2021	EN 13823:2020
SIA „ Meža un koksnes produktu pētniecības un attīstības institūts" Testing Laboratory	Teknos Norge AS	5409-2/2021	EN ISO 11925-2:2020
SIA „ Meža un koksnes produktu pētniecības un attīstības institūts" Testing Laboratory	Teknos Norge AS	5480-1/2021	EN 13823:2020
SIA „ Meža un koksnes produktu pētniecības un attīstības institūts" Testing Laboratory	Teknos Norge AS	5480-2/2021	EN ISO 11925-2:2020
SIA „ Meža un koksnes produktu pētniecības un attīstības institūts" Testing Laboratory	Teknos Norge AS	6032-1-1	EN 13823:2020
SIA „ Meža un koksnes produktu pētniecības un attīstības institūts" Testing Laboratory	Teknos Norge AS	6032-1-2	EN 13823:2020
SIA „ Meža un koksnes produktu pētniecības un attīstības institūts" Testing Laboratory	Teknos Norge AS	6032-1-3	EN 13823:2020
SIA „ Meža un koksnes produktu pētniecības un attīstības institūts" Testing Laboratory	Teknos Norge AS	6032-1-4	EN 13823:2020
SIA „ Meža un koksnes produktu pētniecības un attīstības institūts" Testing Laboratory	Teknos Norge AS	6032-1-5	EN 13823:2020
SIA „ Meža un koksnes produktu pētniecības un attīstības institūts" Testing Laboratory	Teknos Norge AS	6032-1-6	EN 13823:2020
SIA „ Meža un koksnes produktu pētniecības un attīstības institūts" Testing Laboratory	Teknos Norge AS	6197-1-1	EN 13823:2020
SIA „ Meža un koksnes produktu pētniecības un attīstības institūts" Testing Laboratory	Teknos Norge AS	6197-1-2	EN 13823:2020
SIA „ Meža un koksnes produktu pētniecības un attīstības institūts" Testing Laboratory	Teknos Norge AS	6197-1-3	EN 13823:2020
SIA „ Meža un koksnes produktu pētniecības un attīstības institūts" Testing Laboratory	Teknos Norge AS	6197-1-4	EN 13823:2020
SIA „ Meža un koksnes produktu pētniecības un attīstības institūts" Testing Laboratory	Teknos Norge AS	6556-1-1	EN 13823:2020
SIA „ Meža un koksnes produktu pētniecības un attīstības institūts" Testing Laboratory	Teknos Norge AS	6556-1-2	EN 13823:2020
SIA „ Meža un koksnes produktu pētniecības un attīstības institūts" Testing Laboratory	Teknos Norge AS	6557-1-1	EN 13823:2020
SIA „ Meža un koksnes produktu pētniecības un attīstības institūts" Testing Laboratory	Teknos AB	7158-1/2022	EN 13823:2020
SIA „ Meža un koksnes produktu pētniecības un attīstības institūts" Testing Laboratory	Teknos AB	7158-2/2022	EN ISO 11925-2:2020

3.3. Test results

Test method	Parameter	Number of tests	Results	
			Continuous parameter mean	Compliance parameters
EN 13823:2020	$FIGRA_{0,2MJ}$(W/s)	3[a] 3[b]	702.2[a] 689.5[b]	(-)
	$FIGRA_{0,4MJ}$(W/s)	42[d]	702.2[a] 689.5[b]	(-)
	THR_{600s}(MJ)		16.3[a] 17.9[b]	(-)
	LFS		(-)	Compliant
	SMOGRA(m^2/s^2)		2.6[a] 3.0[b]	
	TSP_{600s}(m^2)		(11.7)[c] 26.6[a] 33.5[b] (86.8)[c]	(-) (-)
	Flaming droplets <10s		(-)	Compliant
	Flaming droplets >10s		(-)	Compliant
EN ISO 11925-2:2020 Exposure time 30 s. Test duration 60 s.	Flame spread (Fs)	12 150[d]	(-)	Compliant
	Ignition of filter paper		(-)	Compliant
	Flaming droplets/particles		(-)	Compliant

(-) not applicable

[a] Results from primed and painted spruce cladding product worst case scenario (5480-1-3, 5480-1-12, 5480-1-15).

[b] Results from primed with rot protection and intermediate coat cladding product worst case scenario (5480-1-9, 5480-1-13, 5480-1-16)

[c] Test results from product variation No. 5409-1-8 with worst case scenario for smoke index classification.

[d] Additional tests results for extended application.

Test results for specimens with additional coatings

Specimen No.	**5409-1-1**	**5409-1-2**	**5409-1-3**	**5409-1-4**	**5409-1-5**	**5409-1-6**	**5409-1-7**	**5409-1-8**	**5409-1-9**	**5409-1-10**
$FIGRA_{0,2MJ}$, W/s	528.3	623.8	673.8	611.2	560.8	438.9	567.8	706.2	704.6	529.5
$FIGRA_{0,4MJ}$, W/s	528.3	623.8	673.8	611.2	560.8	438.9	567.8	706.2	704.6	529.5
THR_{600s}, MJ	24.3	13.5	16.7	12.9	13.5	16.1	26.2	24.5	26.6	14.1
SMOGRA, m^2/s^2	10.8	1.9	2.4	3.0	3.8	3.9	13.1	11.7	11.2	6.6
TSP_{600s}, m^2	67.4	37.1	38.9	31.9	32.1	49.7	56.2	86.8	76.9	55.8
Specimen No.	**5409-1-11**	**5409-1-13**	**5409-1-15**	**5409-1-16**	**5409-1-17**	**5409-1-18**	**5480-1-1**	**5480-1-2**	**5480-1-4**	**5480-1-5**
$FIGRA_{0,2MJ}$, W/s	555.9	635.1	462.9	639.9	721.1	652.8	587.5	725.3	630.3	700.2
$FIGRA_{0,4MJ}$, W/s	555.9	635.1	462.9	639.9	721.1	652.8	587.5	725.3	630.3	700.2
THR_{600s}, MJ	13.5	14.0	15.0	14.4	13.9	14.0	17.1	16.9	15.8	15.3
SMOGRA, m^2/s^2	2.5	3.6	1.8	6.3	2.1	2.3	2.4	3.3	2.1	3.3
TSP_{600s}, m^2	30.6	44.8	37.7	55.4	35.0	35.2	24.1	20.4	27.3	27.6
Specimen No.	**5480-1-6**	**5480-1-7**	**5480-1-8**	**5480-1-10**	**6032-1-1**	**6032-1-2**	**6032-1-3**	**6032-1-4**	**6032-1-5**	**6032-1-6**
$FIGRA_{0,2MJ}$, W/s	462.7	507.3	588.0	704.6	432.4	475.5	493.0	428.9	448.1	369.7
$FIGRA_{0,4MJ}$, W/s	462.7	507.3	588.0	704.6	432.4	475.5	493.0	428.9	448.1	369.7
THR600s, MJ	14.2	13	14.4	16.6	14.5	16.7	14.4	13.9	14.8	13.8
SMOGRA, m2/s2	3.0	1.5	1.9	2.2	2.7	3.3	1.6	2.7	3.8	3.1
TSP600s, m2	31.9	28.3	22.9	25.8	33.6	32.0	29.7	40.6	35.3	31.7

Test results for specimens with additional coatings

Specimen No.	6197-1-1	6197-1-2	6197-1-3	6197-1-4	6556-1-1	6556-1-2	6557-1-1	7158-1-3	7158-1-4	7158-1-5
$FIGRA_{0,2MJ}$, W/s	605.9	510.0	411.6	498.3	573.8	734.5	538.4	594.5	602.7	454.6
$FIGRA_{0,4MJ}$, W/s	605.9	510.0	411.6	498.3	573.8	734.5	538.4	594.5	602.7	454.6
THR_{600s}, MJ	13.1	12.0	12.4	25.0	14.8	18.5	14.9	15.1	14.4	14.1
SMOGRA, m^2/s^2	3.3	3.6	2.9	4.5	2.7	2.3	1.7	3.0	2.1	2.0
TSP_{600s}, m^2	38.4	39.9	37.9	62.2	42.9	22.0	33.3	39.3	29.1	34.9

Specimen No.	7158-1-6	7158-1-7	7158-1-8	7158-1-9	7158-1-14	7158-1-17	7158-1-19	7158-1-24	7158-1-25
$FIGRA_{0,2MJ}$, W/s	542.6	476.3	513.8	481.4	514.6	556.5	512.1	539.1	613.3
$FIGRA_{0,4MJ}$, W/s	542.6	476.3	513.8	481.4	514.6	556.5	512.1	539.1	613.3
THR_{600s}, MJ	14.1	14.4	15.2	14.7	13.0	14.1	15.1	14.5	15.6
SMOGRA, m^2/s^2	2.2	1.9	1.4	1.9	1.8	1.4	2.3	2.8	2.9
TSP_{600s}, m^2	35.4	38.8	40.3	34.0	37.2	38.8	41.4	51.5	34.8

Specimens identification

Identification number	Wood species and area of use	Thickness, mm	Primer name and consumption	Intermediate coating name and consumption	Top coating name and consumption
5409-1-1	Stained pine	19	Teknoshield 4005, 85-90 g/m²	-	-
5409-1-2	Primed with rot protection spruce cladding	19	Aqua 2907-02, 100 g/m²	-	-
5409-1-3	Primed with rot protection and coated spruce cladding	19	Aqua 2907-02, 100 g/m²	Nordica Eko 3330-12, 125 g/m²	-
5409-1-4	Primed with rot protection spruce cladding	19	Aqua 2907-42, 125 g/m²	-	-
5409-1-5	Primed with rot protection and coated spruce cladding	19	Aqua 2907-42, 125 g/m²	Nordica Eko 3894, 125 g/m²	-
5409-1-6	Untreated spruce cladding	19	-	-	-
5409-1-7	CU impregnated pine cladding	19	-	-	-
5409-1-8	Primed CU impregnated pine cladding	19	Teknol 3881, 120 g/m²	-	-
5409-1-9	Primed and painted CU impregnated pine	19	Teknol 3881, 120 g/m²	Teknol 3881, 120 g/m²	-
5409-1-10	Primed spruce cladding	19	Teknol 3890, 120 g/m²	-	-
5409-1-11	Primed spruce cladding	19	Teknol 3881, 120 g/m²	-	-
5409-1-13	Primed spruce cladding	19	Teknol 1888, 100 g/m²	-	-
5409-1-15	Primed spruce cladding	19	Teknol 1830 Base T, 100 g/m²	-	-
5409-1-16…5409-1-18	Primed and painted spruce cladding	19	Teknol 1830 Base T, 100 g/m²	Nordica Eko 3894, 150 g/m²	-
5480-1-1	Primed and painted spruce cladding	19	Teknol 3881, 100 g/m²	Nordica Eko 3330, 130 g/m²	-
5480-1-2	Primed and painted spruce cladding	19	Teknol 1888, 100 g/m²	Nordica Eko 3894, 130 g/m²	-
5480-1-3, 5480-1-12, 5480-1-15	Primed and painted spruce cladding	19	Teknol 1888, 100 g/m²	Nordica Eko 3330, 130 g/m²	-
5480-1-4	Primed and painted spruce cladding	19	Teknol 2881, 100 g/m²	Nordica Eko 3330, 130 g/m²	-
5480-1-5	Primed and painted spruce cladding	19	Teknol 3881, 150 g/m²	Teknol 3881, 150 g/m²	-
5480-1-6	Primed and painted spruce cladding	19	Teknoclad 3371, 100 g/m²	-	Teknoclad 3371, 100 g/m²
5480-1-7	Primed and painted spruce cladding	19	Drywood Woodstain VV, 120 g/m²	-	Drywood Woodstain VV, 90 g/m²
5480-1-8	Primed with rot protection and intermediate coat	19	Aqua primer 2907-42, 175 g/m²	-	Nordica Eko 3894, 175 g/m²
5480-1-9, 5480-1-13, 5480-1-16	Primed with rot protection and intermediate coat	19	Teknol Aqua 1410, 50 g/m²	Teknol 3881, 175 g/m²	Nordica Eko 3330, 175 g/m²
5480-1-10	Primed with rot protection and intermediate coat	19	Aqua primer 2907-42, 175 g/m²	-	Nordica Eko 3330, 175 g/m²
6032-1-1	Primed and painted spruce cladding with topcoat	19	Teknol 3881, 100 g/m²	Nordica Eko 3330, 110 g/m²	Nordica Eko 3330, 110 g/m²

Specimens identification

Identification number	Wood species and area of use	Thickness, mm	Primer name and consumption	Intermediate coating name and consumption	Top coating name and consumption
6032-1-2	Primed and painted spruce cladding with topcoat	19	Teknol 3881, 100 g/m²	Nordica Eko House paint, 110 g/m²	Nordica Eko House paint, 110 g/m²
6032-1-3	Primed and painted spruce cladding with topcoat	19	Teknol 3881, 100 g/m²	Teknos Drywood Visa or Drywood Mesterens Houspaint, 110 g/m²	Teknos Drywood Visa or Drywood Mesterens Houspaint, 110 g/m²
6032-1-4	Primed and painted spruce cladding with topcoat	19	Teknol 3881, 100 g/m²	Nordica Eko 3330, 110 g/m²	Teknos Drywood Visa or Drywood Mesterens Houspaint, 110 g/m²
6032-1-5	Primed and painted spruce cladding with topcoat	19	Teknol 3881, 100 g/m²	Nordica Eko 3330, 110 g/m²	Nordica Eko House paint, 110 g/m²
6032-1-6	Stained spruce cladding	19	Teknoshield 4016, 80-90 g/m²	-	-
6197-1-1	Primed and painted spruce cladding	16	Teknol 1888, 100 g/m²	-	Nordica Eko 3894, 130 g/m²
6197-1-2	Primed spruce cladding	16	Teknol 3890, 110 g/m²	-	-
6197-1-3	Primed spruce cladding	16	Teknol 3881, 110 g/m²	-	-
6197-1-4	CU impregnated pine cladding	16	-	-	-
6556-1-1	Primed and painted spruce cladding	19	Teknol 1888, 100 g/m²	Nordica Eko 3894, 130 g/m²	-
6556-1-2	Primed spruce cladding	19	Teknol 1888, 100 g/m²	-	-
6557-1-1	Primed and painted spruce cladding	19	Teknoshield 4016, 120 g/m²	-	Woodex Aqua Classic, 90 g/m²
7158-1-3	Primed and intermediate coated spruce cladding	19	Teknol 4881, 150 g/m²	Nordica EKO 3330, 100 g/m²	-
7158-1-4, 7158-1-24, 7158-1-25	Primed and intermediate coated spruce cladding	19	Teknol Aqua 1410, 100 g/m²	Teknol 1888, 120 g/m²	-
7158-1-5	Primed and intermediate coated spruce cladding	19	Teknol Aqua 1410, 100 g/m²	Nordica EKO 3330, 120 g/m²	-
7158-1-6	Primed spruce cladding	19	Teknol 1881, 130 g/m²	-	-
7158-1-7	Primed spruce cladding	19	Teknol 2881, 130 g/m²	-	-
7158-1-8	Primed spruce cladding	19	Teknol 3881, 188 g/m²	-	-
7158-1-9	Primed spruce cladding	19	Teknol 4881, 154 g/m²	-	-
7158-1-14	Primed and intermediate coated spruce cladding	19	Teknol 3881, 150 g/m²	Teknol 3881, 150 g/m²	-
7158-1-17	Primed, intermediate and topcoated spruce cladding	19	Teknol Aqua 1410, 100 g/m²	Nordica EKO 3330, 120 g/m²	Woodex Aqua Classic, 155 g/m²
7158-1-19	Primed and intermediate coated spruce cladding	19	Teknol 2881, 130 g/m²	Nordica EKO 3330, 150 g/m²	-

4. Classification and field of application

4.1. Reference of classification

This classification has been carried out in accordance with clause 11 of EN 13501-1:2018.

4.2. Classification

Spruce and pine wood cladding in relation to its reaction to fire behaviour is classified:

D

The additional classification in relation to smoke production is:

s2

The additional classification in relation to flaming droplets/particles is:

d0

The format of the reaction to fire classification for construction product excluding floorings and linings is:

Fire behaviour		Smoke production			Flaming droplets	
D	-	s	2	,	d	0

Reaction to fire classification: D-s2, d0

4.3. Field of application

4.3.1 This classification is valid for the following product end use applications:

Products primary is intended to use coatings for solid wood cladding.

4.3.2. This classification is also valid for following product parameters:

- valid for thickness 16 mm and larger thicknesses;
- valid for non-impregnated and with CU impregnated spruce and pine wood;
- valid for wood density ≥ 390 kg/m^3;
- valid for profile types with minimal profile thickness 9.5 mm and larger;
- valid with coating systems as tested;
- mounted with ventilated or non-ventilated air gap to substrate of any A1 or A2-s1,d0 with a minimum density of 525 kg/m³ and thickness ≥12 mm with the air gap constructed by wooden battens of class D-s2,d0 or better or any A1 or A2-s1,d0 product;
- valid for product mounting with air gap between product and substrate. Valid also for product mounting on substrates without air gap;
- valid for product application with standard vertical and horizontal joints;
- valid for vertical and horizontal arrangements;
- valid for all colour tones*.

** According to customer's provided information from extended application report No. PHB10114A about different colour tone influence on reaction to fire performance of paints issued by Danish Institute of Fire and Security Technology (DBI) at Jernholmen 12, DK-2650 Hvidovre, Denmark on 04.12.2020.*

5. Limitations.

5.1. No restrictions on the duration of validity of this classification report as long as the product specifications remain unchanged.
5.2. This document does not represent type approval or certification of the product.

Prepared by

E.Bukšāns

(signature and name)

Reviewed by

K.Būmanis

(signature and name)

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(Signature validity can be checked: https://www.eparaksts.lv/en)