



DECO[®]
MOSS
Soft Connection

AVAILABLE TESTREPORTS FOR POLAR-MOOS / DECOMOSS[®] PRODUCTS

FIRE BEHAVIOR OF DECOMOSS[®] DYED REINDEER MOSS “CLADONIA STELLARIS”

		dyed & salted	only salted
Irradiance level from cone	[kW/m ²]	50	50
Specimen orientation	[H/V]	Horizontal	Horizontal
Specimen surface area	[m ²]	0,01	0,01
Specimen mass	[g]	13,83	16,14
C-value		0,04	0,04
Time to ignition	[s]	0,00	0,00
Time to extinction (Still flames at termination of the tests-)	[s]	-	-
Duration of the test	[s]	601,00	606,00
Mass remaining after test	[g]	0,72	1,50
Total mass loss (g)	[g]	13,11	14,64
Mass loss per square meter	[g/m ²]	1310,00	1460,00
Mass loss rate per square meter	[g/m ² s]	2,20	2,40
Total heat release rate	[Mj/m ²]	12,70	8,10
Maximum heat release rate	[kW/m²]	57,30	23,70
Av. Heat release rate 60 s after ignition	[kW/m ²]	10,90	7,30
Av. heat release rate 180 s after ignition	[kW/m ²]	32,50	14,00
Av. heat release rate 300 s after ignition	[kW/m ²]	30,40	16,20
Total heat release rate 300 s after ignition	[Mj/m ²]	9,12	4,88
Max heat release rate, 30 s sliding average	[kW/m ²]	12,73	8,09
Effective net heat release of cumbustion	[Mj/kg]	9,71	5,53
Total smoke production	[m ² /s]	0,89	0,03
Average smoke production	[m²/s]	0,00149	0,00050
Average specific smoke production	[m ² /kg]	68,66	2,47
Total CO-production	[g]	0,14	0,14
Total CO ₂ -produced per mass unit burnt	[g/g]	1,07	1,07

Reference: Test report “Fire behaviour properties of Polar-Moos products”

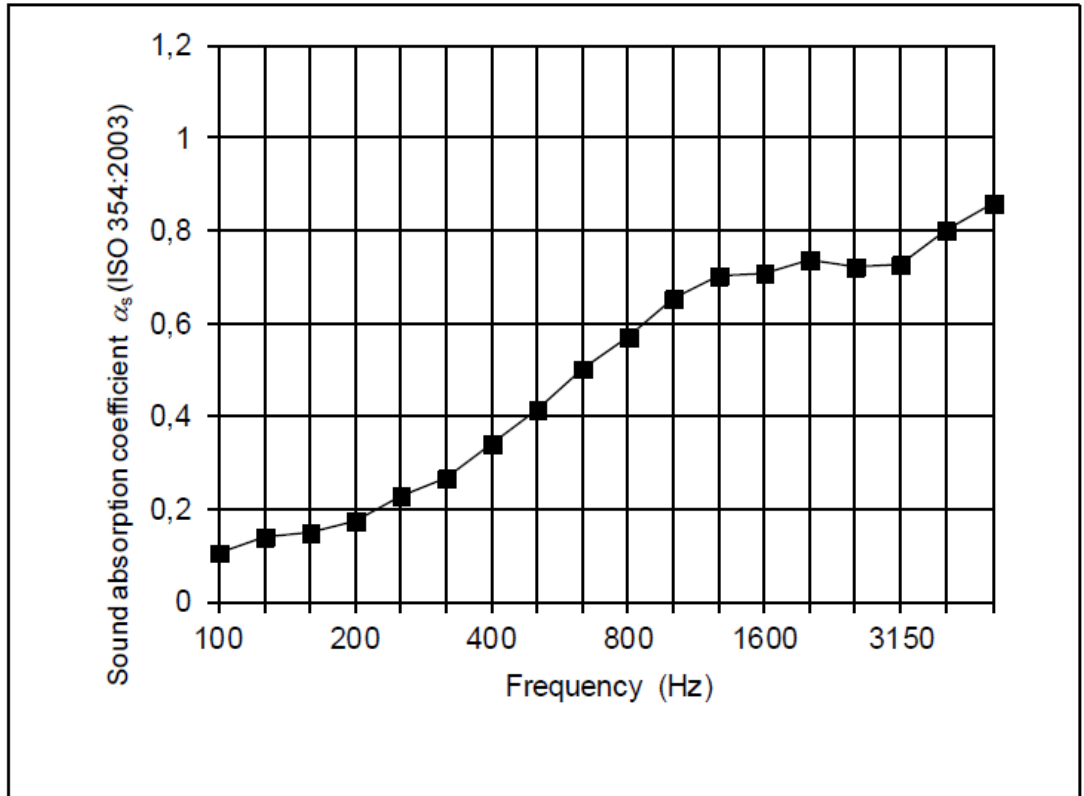
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SOUND ABSORPTION PROPERTY OF DECOMOSS[®] PANELS [4 mm / FELT]



Reference: Test report VTT-S-07905-13

AVAILABLE CERTIFICATIONS:

For authority, custom clearing and planning needs the following test reports and certifications are available:

- Fire behaviour properties of Polar-Moos/DECOMOSS[®] products
- Sound absorption of DECOMOSS[®] panels [4 mm felt]
Test report VTT-S-07905-13
- Phytosanitary certification
- Certification about our used dyeing process and used temperatures

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