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External Fire Exposure to roof according to ENV 1187, test method 2 with burning brands and wind (1 appendix)

Product and approval

Roof covering called "Astroflex SBS 6000 Supra".

Approval number 0796/97 (SITAC).

Agreement

Dnr 210-97-0860, dated 2008-10-08.

Manufacturer

Copernit & C S.p.A., Pegognaga, Italy.

Purpose of test

Base for manufacturing control, 2012. Retest.

Sampling

The sample was delivered by the client. It is not known to SP Fire Technology if the product received is representative of the mean production characteristics.
The sample was received April 9, 2013 at SP Fire Technology.

Test method

The product was tested in accordance with ENV 1187, test 2.

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Test results

The test results of "Astroflex SBS 6000 Supra", applied onto a non-combustible backing (board of mineral wool, 150 kg/m³), are given in appendix 1.

The test results relate only to the behaviour of the test specimens of a product under the particular conditions of the test; they are not intended to be the sole criterion for assessing the potential fire hazard of the product in use.

Assessment

The tested product meets the technical fire requirements according to the valid agreement.

SP Technical Research Institute of Sweden Fire Technology - Fire Dynamics

Performed by


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Examined by


Per Thureson

Appendix

1. Test results – ENV 1187:2002, test 2

Appendix 1

Test results – ENV 1187:2002, test 2

Product

Roof covering called ”Astroflex SBS 6000 Supra”.
Approval number 0796/97 (SITAC).

Application

The specimen was applied to a non-combustible board (board of mineral wool) having a density of 150 kg/m³ and thickness of 50 mm approximately.

Test results

Test no	1	2	3	Average value	4	5	6	Average value
Air velocity, m/s	2	2	2		4	4	4	
The roof covering was ignited, min:s	00:28	00:27	00:27		00:29	00:28	00:27	
The flames died out, min:s	10:38	08:46	13:11		05:38	04:58	05:52	
The glow died out, min:s	10:38	09:45	13:11		06:12	06:00	06:10	
Fire and glow were extinguished, min:s	-	-	-		-	-	-	
Damage on the surface, mm	412	410	375	<u>399</u>	325	350	363	<u>346</u>
Damage in the underlay, mm	-*	-*	-*	<u>-*</u>	-*	-*	-*	<u>-*</u>

*Only discoloured

Measured data of product

Thickness 4.4 – 4.7 mm.
Area unit weight 5.8 – 5,9 kg/m².

Conditioning

Temperature 23 ± 2 °C.
Relative humidity (50 ± 5) %.

Date of test

May 3, 2013.