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Test Report

Vermiculite Slab/ Skamol Brandflex Vermit

Skamol A/S
Skarrehagevej 26
7900 Nykøbing M
Denmark

Danish Institute of Fire and Security Technology



The results relate only to the items tested.
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Running Control

1 LICENSEE/APPROVAL HOLDER

Skamol A/S
Skarrehagevej 26
7900 Nykøbing M
Denmark

2 MATERIAL

Non-combustible material.

Trade Name

Vermiculite Slab/Skamol Brandflex Vermit

3 NAME OF MANUFACTURER

The sponsor is the manufacturer.

4 LICENCES/APPROVALS

MK 6.10/1084 dated 2001-08-07.

5 NATURE OF TEST

With reference to the Danish Institute of Fire and Security's (DIFT's) report file No. CP00027 dated 2004-05-04 and to the conditions of the above mentioned approval, an audit test of the sampled material was carried out in accordance with annex to IMO Resolution MSC.61(67), Annex 1, Part 1 – Non-combustibility test (Part 1 refers to ISO 1182:2002) and in accordance with IMO Resolution A.799(19).

Furthermore the test was carried out in accordance with the requirements of the Russian Maritime Register of Shipping, St. Petersburg, cf. Certificate of Accreditation of Testing Laboratory No. 97.002.009 valid 16th September 2005.



6 SAMPLE

On 2004-04-05 DIFT's laboratory received the following sample:

1 pc. of vermiculite Slab/Skamol Brandflex Vermit with dimensions 615 x 500 x 25 mm.

Density at 20°C (undried): 459 kg/m³ at the state of receipt determined by weight and measures of the sample.

The sample was marked "CP00027/03-04-04/stc".

Five test specimens were prepared from the sample.

7 CONDITIONING

The specimens were conditioned in accordance with EN ISO 1182:2002.

8 TEST METHOD

The test was performed in accordance with

EN ISO 1182:2002 Reaction to fire tests for building products -
Non-combustibility test (ISO 1182:2002).

9 TEST RESULTS

Date of test: 2004-06-04.

In the following table is shown initial furnace temperature, maximum temperature rise in relation to final equilibrium temperature for each of the thermocouples, together with observations of flaming and the loss of mass.

Test specimens No.	Initial furnace temperature (°C)	Maximum temperature rise Furnace (°C)	Maximum temperature rise Surface (°C)	Duration of sustained flaming (s)	Mass loss (%)
1	755	3	2	0	4.6
2	752	3	2	0	4.7
3	754	3	2	0	4.5
4	745	3	2	0	5.1
5	746	4	2	0	5.0
Average	-	3	2	0	5.0



10 CONCLUSION

The investigated sample of Vermiculite Slab/Skamol Brandflex Vermit satisfies the criteria of IMO Resolution A.799(19) as well as “IMO FTPC Part 1” for classification as non-combustible.

11 STATEMENT

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

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DIFT file No. CP 00027

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