



Test report

Foss Decor Snow White FDS-300

SnowFoss A/S
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7800 Skive
Denmark

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1 SPONSOR

SnowFoss A/S
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2 PRODUCT

Synthetic Snow made of low density polyethylene.

Trade name

Foss Decor Snow White FDS-300.

3 NAME OF MANUFACTURER

Not stated.

4 TEST METHOD

By request of the Sponsor dated 2014-03-10, the product has been subjected to a test using ignition source 0 (smouldering cigarette) according to BS 5852:1990.

5 SAMPLE

On 2014-03-11 DBI-Danish Institute of Fire and Security Technology received the following sample:

Approx. 3 x 300 g Foss Decor Snow White FDS-300

The test specimens were prepared from the sample.

6 CONDITIONING

The samples were stored in a conditioning room with an atmosphere of relative humidity of $50 \pm 5\%$ at a temperature of $23 \pm 2^\circ$. The specimens were kept in this room until the tests were performed.

7 TEST METHOD

As there is no standardized method, the following test method was used:

Approx. 35-40 gram of Foss Decor Snow White FDS-300 was put in an open pan with the dimensions $\varnothing 250 \times 55$ mm.

A lit cigarette, as described in BS 5852:1990, was placed on the surface and then covered with a little snow. The time was recorded.

8 TEST RESULTS

Date of test: 2014-04-24.

Test 1

Time (min.sec.)	Observations
00.00	The lit cigarette was placed on the snow and covered
00.02	smoke development
00.06	smoke development, the cigarette had burned 30 mm, the snow was melted away over the tip of the cigarette
11.20	the cigarette had burned 37 mm, the snow was melted away over the tip of the cigarette
16.50	Smoke stopped
60.00	Test stopped. The damage was measured to 65 x 20 mm that was melted away; the last 7 mm of the cigarette had not burned.

Test 2

Time (min.sec.)	Observations
00.00	The lit cigarette was placed on the snow and covered
00.02	smoke development, a little melting of the snow surface
00.06	smoke development, cigarette burned 15 mm
11.20	Cigarette burned 45 mm, the snow had melted away above
14:15	Smoke stopped
60.00	Test stopped. The damaged was measured to 80 x 15 mm, all the snow had melted away above the cigarette, only a little below

After the tests were stopped, the Foss Decor Snow White FDS-300 was examined, and it was established that the snow only had melted in the area just surrounding the cigarettes.

At no time flames occurred.



9 CONCLUSION


The test shows that a lit cigarette, as described in BS 5852:1990, could not ignite the sample of Foss Decor Snow White FDS-300.

10 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 intended to be the sole criterion for assessing the potential fire hazard of the material in use.



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