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Date
1/07/11

TEST REPORT 11-448 bis

Samples received :

Index foam
Hong Kong Gel
Magnus Gel
Atlas Gel
Received on 24/06/2011

Aim of the test : Determination of hot metal nut

Test conditions :

Hot Metal nut

Standard: BS 4790 (1987)° Flammability of textile floor coverings - Hot metal nut method en BS 5287 (1988) Assessment and labelling of textile floor coverings tested to BS 4790

Method: A heated rust-free nut is put on the user surface of the material. The burning time, after-glow and largest radius of the burned surface is measured.

Number of tests: 3

Conditioning samples: 20 ± 2 °C and 65 ± 4 % R.H.

The tests were performed in week 26/2011

- **MAGNUS GEL**

Sample	1	2	3
Elapsed time from the instant of application of the nut to the extinction of the flame in s :	149	211	186
Time subsequent to removal of the nut and to extinction of any flame, of any after-glow and/or smouldering in s :	119	181	156
Radius of the circle that just contains the affected area on the use-surface in mm :	27	28	28

Scale of assessment (BS 5287):

up to 35 mm	low radius of effects of ignition
35 to 80 mm	medium radius of effects of ignition
80 mm and over	high radius of effects of ignition

According to BS 5287, the tested **quality MAGNUS GEL (glued)** meets the requirements for the following information to be given on the label :

"When tested according to BS 4790 has a low radius of effects of ignition"

OBTAINED RESULTS

- **INDEX FOAM**

Sample	1	2	3
Elapsed time from the instant of application of the nut to the extinction of the flame in s :	30	30	30
Time subsequent to removal of the nut and to extinction of any flame, of any after-glow and/or smouldering in s :	0	0	0
Radius of the circle that just contains the affected area on the use-surface in mm :	23	20	24

Scale of assessment (BS 5287):

up to 35 mm	low radius of effects of ignition
35 to 80 mm	medium radius of effects of ignition
80 mm and over	high radius of effects of ignition

According to BS 5287, the tested **quality INDEX FOAM (glued)** meets the requirements for the following information to be given on the label :

"When tested according to BS 4790 has a low radius of effects of ignition"

- **HONG KONG GEL**

Sample	1	2	3
Elapsed time from the instant of application of the nut to the extinction of the flame in s :	204	238	206
Time subsequent to removal of the nut and to extinction of any flame, of any after-glow and/or smouldering in s :	174	208	176
Radius of the circle that just contains the affected area on the use-surface in mm :	26	30	25

Scale of assessment (BS 5287):

up to 35 mm	low radius of effects of ignition
35 to 80 mm	medium radius of effects of ignition
80 mm and over	high radius of effects of ignition

According to BS 5287, the tested **quality HONG KONG GEL (glued)** meets the requirements for the following information to be given on the label :

"When tested according to BS 4790 has a low radius of effects of ignition"

- **ATLAS GEL**

Sample	1	2	3
Elapsed time from the instant of application of the nut to the extinction of the flame in s :	55	65	59
Time subsequent to removal of the nut and to extinction of any flame, of any after-glow and/or smouldering in s :	25	35	29
Radius of the circle that just contains the affected area on the use-surface in mm :	29	27	25

Scale of assessment (BS 5287):

up to 35 mm

35 to 80 mm

80 mm and over

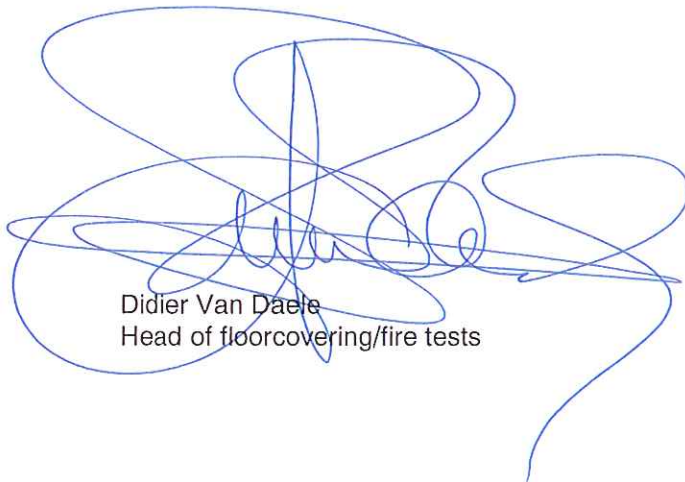
low radius of effects of ignition

medium radius of effects of ignition

high radius of effects of ignition

According to BS 5287, the tested **quality ATLAS GEL (glued)** meets the requirements for the following information to be given on the label :

"When tested according to BS 4790 has a low radius of effects of ignition"



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