

your delivery of
2003-11-19

your reference

our reference
PVH.DVB/534

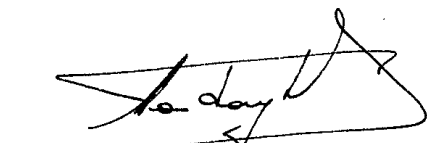
date
Zwijnaarde, 2004-01-22

Analysis Report 37755

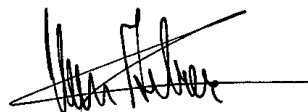
Required tests :

EN ISO 9239-1 (2002): Reaction to fire tests for floorings
Part 1: Determination of the burning behaviour using a radiant heat source

Identification number	Information given by the client	Date of receipt
T310800	30oz	2003-11-19



Pros Van Hoeyland
order responsible



Philippe Van Acker
director services

For further information, please contact our sectorial adviser Pros Van Hoeyland

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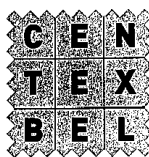
VAT BE 459 218 289
CENTEXBEL-GENT
Technologiepark 7
BE-9052 Zwijnaarde
Tel. + 32 9 220 41 51 • Fax + 32 9 220 49 55
e-mail gent@centexbel.be

Fin. Acc. 210-0472965-45

IBAN BE44 2100 4729 6545

CENTEXBEL-BRUSSELS
Montoyerstraat 24 B2
BE-1000 Brussels
Tel. + 32 2 287 08 30 • Fax + 32 2 230 68 15

www.centexbel.be



Reference : T310800 - 30oz

EN ISO 9239-1 (2002): Reaction to fire tests for floorings
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End of tests: 13 January 2004

Floor covering

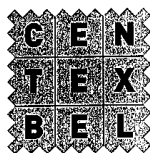
- substrate : - Eflex NT (density $\pm 1600 \text{ kg/m}^3$)
- dimensions 105 cm x 23 cm x 0,5 cm.
- adhesive : - R656 (Centexbel ref. 303823)
- cleaning : - textile floor coverings are subjected to the laboratory spray extraction cleaning procedure according to ISO 11379

Conditioning

minimum 14 days at $(23 \pm 2) \text{ }^\circ\text{C}$ and $(50 \pm 5) \text{ \% RH}$
or
until constant mass is achieved

Radiant heat flux

Test	flame spread distance (cm)				flame time	heat flux (kW/m^2)	
	10 min	20 min	30 min	flame out		30 min	flame out
width							
1	24	37	41	41	26 min 49 s	5,3	5,3
length							
1	25	39	43	43	28 min 27 s	5,0	5,0
2	22	36	36	36	23 min 30 s	6,3	6,3
3	24	34	34	34	20 min 51 s	6,7	6,7
average						6,0	6,0



Reference : T310800 - 30oz

Smoke production

Air flow rate in the stack : 2,5 m/s (measured before testing).

The following parameters are measured :

- maximum light attenuation (%)
- total light attenuation (%min) after 30 min and at flame out

Test	maximum light attenuation (%)	total light attenuation (%min)	
		30 min	flame out
length			
1	55	466	466
width			
1	56	405	405
2	53	403	403
3	53	364	364
average		391	391

The test results relate 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.

Performed under accreditation under the responsibility of Pros Van Hoeyland.