

Report of the classification of the reaction to fire performance

No. 230008205-4

issued 24th February 2012

English version

Sponsor

PALZIV Ltd.
Kibbutz Ein Hanatziv
Emek Beit Shean
10805 Ein Hanatziv
Israel

Order

Classification of the reaction to fire performance according to DIN EN 13501-1:2007+A1:2009

Date of order:

10th April 2011

Name of the classified product:

Polyethylene foam sheets „Palziv GA25FHZ“ with and without selfsealing coating

Notified Body: 0432

This report gives the classification of the above-mentioned building product in accordance to the procedure given in DIN EN 13501-1.

Publishing and copying of classification reports without permission of the MPA NRW is only allowed without any changes of the content and the form of the reports.

The shortened reproduction of classification reports needs the permission of the MPA NRW.

This classification report consists of 3 pages.

Classification report of the reaction to fire performance no. 230008205-4 of 24th February 2012 page 2 of 3

1 Description of the building product

Polyethylene foam sheets with flame retardant equipment with and without an acrylic self adhesive coating

Thickness of the sheets with self adhesive coating: 3 mm \pm 10 %

Thickness of the sheets without self adhesive coating: 6 mm – 12 mm (\pm 10 %)

Weight per unit area of the polyethylene foam sheets with self adhesive coating: 163 g/m² \pm 10 %

Density of the polyethylene foam: 25 kg/m³ \pm 10 %

2. Test reports and test results supporting the classification

2.1 Test reports

Name of the test laboratory	Sponsor	No. of the test report	Test procedure
MPA NRW	PALZIV Ltd.	230008205-2 230008205-3	DIN EN ISO 11925 – 2 DIN EN 13823

2.2 Test results

The following test results are the basis of the classification

Test method	Parameter	Number of tests performed	Test results	
			Average values of continuously parameter	Requirements of diskrete parameter
DIN EN ISO 11925-2 30 s flaming time	Flamespread \leq 150 mm Burning droplets/particles	24	--	yes no
DIN EN 13823	FIGRA _{0,2} in W/s	5	96 ¹⁾	--
	FIGRA _{0,4} in W/s		85 ¹⁾	--
	THR _{600s} in MJ		1,1 ¹⁾	--
	LFS _{edge}		--	< edge
	SMOGRA in m ² /s ²		1118 ²⁾	--
	TSP _{600s} in m ²		36 ²⁾	--
	Duration of burning droplets/particles in s		0	--

Notes: 1) Mean value of three tests on the 3 mm thick sheet

2) Maximum value of the test on the 12 mm thick sheet

3. Classification and direct field of application

3.1 Reference

This classification was carried out in accordance to the clauses 11 and 14 of the standard DIN EN 13501-1: 2010.

3.2 Classification

The tested building product in relation to its reaction to fire behaviour is classified as: **B**

The additional classification in relation to smoke production is: **s3**

The additional classification in relation to flaming droplets/particles is: **d0**

The classification of the reaction to fire performance is therefore:

Fire behaviour	Smoke development	Flaming droplets
B	s3	d0

i. e. **B – s3, d0**

3.3 Field of application of the product

The classification is valid solely for the product described in clause 1 for the application on metallic substrates of euroclass A1 or A2-s1, d0 with a thickness of $\geq 0,8$ mm, a density of ≥ 1990 kg/m³ and a melting point of ≥ 500 °C.

4. Restrictions

This classification report does not represent type approval or certification of the product.

5. Remark

This classification report written in English language is issued additionally to the report written in German language with the same report number. In case of doubt the German version is valid solely.

Erwitte, 24th February 2012

Head of notified testing body


 Dipl.-Ing. Rademacher

The engineer in charge



Dipl.-Ing. Schreiner

