



Institut für Brandschutztechnik
und Sicherheitsforschung

Classification of Reaction to Fire

Report on classification of the fire behaviour of the building product
"POLO-KAL NG"

Report no.: 06102419-C-en

Date: 03/03/2017

Processed by: R. ANDEXLINGER / AM

<u>Applicant/manufacturer:</u>	Poloplast GmbH & Co. KG Poloplast-Straße 1 4060 Leonding
<u>Date of application:</u>	20.10.2006
<u>Specimen of classification:</u>	pipeline system "POLO-KAL NG"
<u>Number of the notified body:</u>	1322
<u>Short evaluation:</u>	The listed building product will be assigned to European Class D – s2, d1 in accordance with the standard EN 13501-1:2007 on account of its fire behaviour. The classification of fire behaviour and the corresponding area of practical application can be referenced from this classification report.

This report contains: **5 text pages**

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1.) Introduction:

This classification report defines the classification assigned to the building product "pipeline system POLO-KAL NG" in accordance with the method specified in EN 13501-1.

2.) Details of the classified building product:

2.1) Type and application range:

The building product "pipeline system POLO-KAL NG" is defined as a „type of classified building product". Its classification is valid for the area of application listed in section 5.).

2.2) Description:

The building product "pipeline system POLO-KAL NG" is described in full in the test reports listed in section 3.1) on which its classification is based.

3.) Test reports and results on which classification is based:

3.1) Test reports:

Name of the laboratory	Client	Test report number	Test method
IBS Linz	Poloplast GmbH & Co. KG	06102419-1	ÖNORM EN 13823:2002
Textile Institute ÖTI	Poloplast GmbH & Co. KG	49569	ÖNORM EN ISO 11925-2:2002

3.2) Test results:

Test method	Parameter	Number of tests	Test result	
			Permanent parameter Mean value (m)	Discrete parameter
ÖNORM EN 13823	FIGRA _{0,2} (W/s)	3 (test series)	685,0	(-)
	FIGRA _{0,4} (W/s)		685,0	(-)
	THR _{600s} (MJ)		32,4	(-)
	LFS < edge		(-)	J
	SMOGRA (m ² /s ²)		9.8	(-)
	TSP _{600s} (m ²)		90,0	(-)
ÖNORM EN ISO 11925-2 Flame impingement of angle 30 s flame impingement	Fs ≤ 150 mm		(-)	J
	Ignition of filter paper		(-)	N
(-) not applicable				

4.) Classification and field of direct application:

4.1) Reference and direct field of application:

This classification was carried out in compliance with sections 6, 7, 8 and 10.4 of the European standard EN 13501-1:2002.



4.2) Classification:

The building product "pipeline system POLO-KAL NG" is classified with regard to its fire behaviour:

D

The additional classification with regard to smoke development is:

s2

The additional classification with regard to dripping/detaching burning material is:

d1

The format of the classification of the burning behaviour for building products without flooring is:

Fire behaviour		Smoke emission				No flaming droplets/particles	
D	-	s	2	,	d	1	

i.e.: **D – s2, d1**

5.) Field of application:

This classification is valid for the following product parameters and final application conditions:

As tested under the basic conditions of the product standard



6.) Restrictions:

Due to the amended European standard, the restriction of the validity of classification reports is lifted.

In general, validity will expire if the client makes impermissible technical alterations that exceed or fall short of the compositions on which this classification report is based (see test reports).

7.) Warning:

This classification document is not a type approval or product certification.

A product standard was not applied

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