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REACTION TO FIRE CLASSIFICATION REPORT IN ACCORDANCE WITH PN-EN 13501-1:2019

Contract no. 02487/20/Z00NZP

Sponsor:	Armacell GmbH 48153 Münster Robert Bosch Strasse 10
Prepared by:	Building Research Institute; 1, Filtrowa str. 00-611 Warszawa, Poland
Product name:	Pipe or duct insulation product called Tubolit Split and DuoSplit No. DP20/012-1,3
Classification report №:	02487.1/20/Z00NZP/E/B replaces classification No 02487.1/20/Z00NZP/E
Issue number:	Copy № 1
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This classification report consists of 3 pages and may only be used or reproduced in its entirety.

1. Introduction

This classification report defines the classification assigned to the pipe or duct insulation product called Tubolit Split and DuoSplit No. DP20/012-1,3 in accordance with the procedures given in PN-EN 13501-1:2019.

2. Details of classified product

2.1 General

Pipe or duct insulation product called Tubolit Split and DuoSplit No. DP20/012-1,3 according to Producer declaration is defined as intended for thermal insulation/protection of pipes, and ducts in offshore, industrial and process equipment facilities.

2.2 Product description

The product, is described below (according to Producer declaration).

Tubolit Split and DuoSplit No. DP20/012-1,3 PEF - PolyEthylen Foam according to EN 14313 and coated with a white polymeric coating.

The surface colour of the product is white.

The colour of the product is grey.

Wall thickness: 9 mm

Inner diameter: 22 mm

Density range (foam+foil): 34+55 kg/m³

3. Test reports & test results in support of classification

3.1 Test reports

Name of laboratory	Name of sponsor	Test report №	Test method
Fire Research Laboratory Building Research Institute	Armacell GmbH	LZP01-02487/20/Z00NZIP	PN-EN 13823+A1:2014
		LZP02-02487/20/Z00NZIP	PN-EN ISO 11925-2:2010

3.2 Test results

Test method	Parameter	Number of tests	Results	
			Continuous parameter – mean (m)	Compliance with parameters
PN-EN ISO 11925-2: 2010 Surface and edge on front and on back exposure Exposure time 30 s. (LZP02-02487/20/Z00NZIP)	$F_s \leq 150$ mm	6	(-)	Y
	Flaming Droplets/particles		(-)	Y
PN-EN 13823+A1:2014 (LZP01-02487/20/Z00NZIP)	FIGRA _{0,2MJ}	3	46,9	(-)
	FIGRA _{0,4MJ}		46,9	(-)
	LFS < edge		(-)	Y
	THR _{600s} [MJ]		3,6	(-)
	SMOGRA [m ² /s ²]		0,6	(-)
	TSP _{600s} [m ²]		37,6	(-)
	Flaming droplets/particles		(-)	N

(-): not applicable, Y: Yes, N: No

4 Classification and field of application

4.1 Reference of classification

This classification has been carried out in accordance with PN - EN 13501-1:2019.

4.2 Classification

The product, pipe or duct insulation product called Tubolit Split and DuoSplit No.

B_L

The additional classification in relation to smoke production is:

s₁

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

d₀

The format of the reaction to fire classification for linear pipe thermal insulation products is:

Fire behaviour		Smoke production			Flaming droplets	
B_L	-	s	1	,	d	0

i.e.: **B_L-s₁,d₀**

Reaction to fire classification: **B_L-s₁,d₀**

4.3 Field of application

This classification is valid for the product described in point 2 this classification report:

- product described in point 2 of this classification report.

5 Limitations

This classification given remains valid as long as:

- Test method remains unchanged.
- Product standard or technical approval remains unchanged.
- Constructional or material modifications do not exceed limits of the field of application defined in 4.3.

This classification report has been issued in three copies (2 for Sponsor, 1 for archive of Fire Research Department of Building Research Institute). Additional signed copies can be issued by Fire Research Department of ITB on the request of the report's owner only.

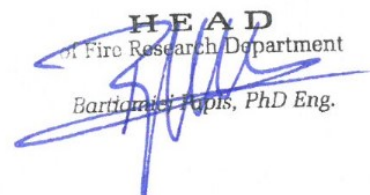
This classification document does not represent the approval or certification of the product.

Signed



Robert Błajda M.Sc.Eng.

Approved



HEAD
of Fire Research Department
Bartłomiej Popis, PhD Eng.

