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FIRE AND RESCUE DEPARTMENT UNDER THE MINISTRY OF THE INTERIOR OF
THE REPUBLIC OF LITHUANIA**FIRE RESEARCH CENTRE**
REACTION TO FIRE TESTING DIVISION**1. Introduction**

This classification report defines the classification assigned to wallpaper "DECOJET" in accordance with procedures given in LST EN 13501-1:2007+A1:2010

CLASSIFICATION OF REACTION TO FIRE
IN ACCORDANCE WITH LST EN 13501-1:2007+A1:2010

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Notified Body No.: **1796**

Product name: Wallpaper "DECOJET"

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2. Details of classified product

2.1 General

The product, wallpaper „DECOJET“, is defined as a wallcovering in roll form in accordance with LST EN 15102:2007+A1:2011.

2.2 Product description

Wallpaper „DECOJET“ in accordance with manufacturer declaration consists of a vinyl based wall covering (manufacturer JSC „Veika“) with a non-woven backing*, printed with Balance Eco inks* (manufacturer JSC „Veika“). In accordance with declaration of manufacturer nominal weight per unit area of the vinyl layer (PVC) is 200 g/m², nominal weight per unit area of the non-woven backing is 65 g/m². Possible wallpaper patterns are: Decoflame, Decoleather, Decosand, Decodrift, Decoshell, Decomarble, Decofrost, Decoplane, Decoray, Decoline, Decoboard, Decograce.

Tests according to standard LST EN 13823:2010+A1:2015 and LST EN ISO 11925-2:2010 were performed with randomly chosen pattern “Decosand”, because in according with manufacturer declaration wallpaper composition is the same, wallpaper nominal thickness (top of pattern) is 0,5 mm, nominal weight per unit area is 259 g/m². The object was glued onto a standard (according to LST EN 13238) gypsum plaster board substrate using adhesive “EURO 3000 Vlies Kleber” (manufacturer “PUFAS”, Germany) (declared output 300g/m²). Tests were performed with wallpaper of black, yellow and red colour.

* - name and manufacturer of non-woven backing, also output of Balance Eco inks are confidential information, so it is not published.

3. Reports and results in support of classification

3.1 Reports

Name of Laboratory	Name of sponsor	Report ref. no.	Test method and date Field of application rules and date
Fire Research Centre Reaction to Fire Testing Division	JSC “Veika”	20-18.2015.5	LST EN ISO 11925-2:2010
Fire Research Centre Reaction to Fire Testing Division	JSC “Veika”	20-5.2015.3	LST EN 13823:2010+A1:2015

3.2 Results

Test method	Parameter	No. tests	Results	
			Continuous parameter – mean (m)	Compliance with parameters
LST EN ISO 11925-2:2010 Surface flame attack Flame exposition period 30 s	F _s ≤ 150 mm within 60 s	6	Yes	Compliant
	Ignition of filter paper	6	No	Compliant
LST EN ISO 11925-2:2010 Edge flame attack Flame exposition period 30 s	F _s ≤ 150 mm within 60 s	6	Yes	Compliant
	Ignition of filter paper	6	No	Compliant
LST EN ISO 13823:2010	FIGRA _{0,4MJ} ≤ 250 W/s	3	157,9	Compliant
	LFS < edge		Yes	Compliant
	THR _{600s} ≤ 15 MJ		1,8	Compliant
	SMOGR _A ≤ 180 m ² /s ²		27,6	Compliant
	TSP _{600s} ≤ 200 m ²		70,5	Compliant
	Within 600 s there aren't any flaming droplets/particles		Yes	Compliant

5. Classification and field of application

5.1 Reference of classification

This classification has been carried out in accordance with LST EN 13501-1:2007+A1:2010 chapter 11.



5.2 Classification

The product, wallpaper DECOJET, in relation to its reaction to fire behavior is classified:

C

Additional classifications for smoke production:

s2

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

d0

The format of reaction to fire classification construction products excluding floorings and linear pipe thermal insulation products is:

Fire behavior		Smoke production			Flaming droplets	
C	-	s	2	.	d	0

i.e. C-s2,d0

Reaction to fire classification: C – s2,d0

5.3 Field of application

This classification is valid for the following end use application:

- wallpaper shall be glued onto any end-use substrate of reaction to fire classes A1 and A2-s1,d0 which have a density of at least 450 kg/m³, thickness ≥ 12 mm;
- horizontal and vertical joints (edge to edge) may be applied.

This classification is valid for in chapter 2.2 listed and additionally for following product parameters:

- wallpaper nominal thickness (top of pattern) ≤ 0,5 mm, nominal weight per unit area ≤ 259 g/m²;
- vinyl based covering (PVC) nominal weight per unit area ≤ 200 g/m²;
- valid for any wallpaper colour;
- width of rolls is unlimited.

6. Limitations

This classification document does not represent certification of the product.

The classification assigned to the product in this report is appropriate to a declaration of performance by the manufacturer within the context of AVoCP (assessment and verification of constancy of performance) system 3 and CE marking under the Construction Product Regulation (EU) No. 305/2011.

The manufacturer has made a declaration, which is held on file. This confirms that the products design requires no specific processes, procedures or stages that are aimed at enhancing the fire performance in order to obtain the classification achieved. As a consequence the manufacturer has concluded that AVoCP system 3 is appropriate.

The test laboratory has, therefore, played no part in sampling the product for the test, although it holds appropriate references, supplied by the manufacturer, to provide for traceability of the samples tested and manufacturer obligation for ensuring a future stability of production submitted for assessment of performance and informing immediately Reaction to Fire Testing Division of FRC when we will change the design of the product.

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