

CERTIFIED TRANSLATION FROM POLISH INTO ENGLISH

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[logo ITB®] **THE BUILDING RESEARCH INSTITUTE**

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The Fire Testing Laboratory

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**THE CLASSIFICATION REPORT NP-1050/08/AK
IN THE SCOPE OF THE REACTION TO FIRE OF THE
PRODUCT:**

WF-Opak Stretched Ceiling

for

THE OWNER OF THE CLASSIFICATION REPORT

Grupa DPS Sp. z o.o.

ul. Krakowska 85A

40-391 Katowice

-/-

Agreement No: NP-1050/P/2008/AK -/-

-/-

1. Introduction -/-

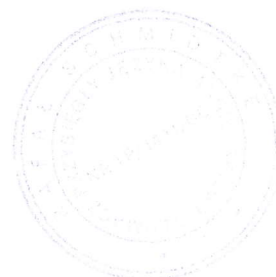
The present classification report specifies the classification of WF-Opak stretched ceiling in accordance with the procedures described in PN-EN 13501-1:2004. -/-

-/-

2. Detailed information on the product classified -/-

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2.1. Type and Final Application



WF-Opak stretched ceiling. The classification obtained is important for the final applications to which the scenario of internal fire is used exclusive of tile floors. -/-

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2.2. Description -/-

WF-Opak stretched ceiling -/-

- thickness 170 µm, -/-

- surface mass 221 g/m² -/-

- PVC foil with the addition of plasticizers and stabilizers

Manufacturer: Renolit A.G., Horchheimer str. 50, D-67547

Worms, Germany. -/-

-/-

3. Tests Reports and Results Providing the Basis for the Classification -/-

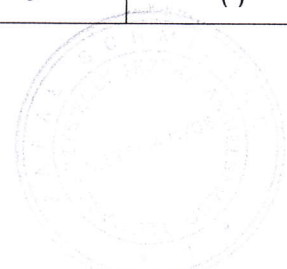
-/-

3.1. Tests Reports -/-

Laboratory Name	Client	Test Report No	Test Method
LNE Laboratory	Renolit AG	G020458 CEMATE/1	EN ISO 11925-2:2002
		G020458 CEMATE/3	EN 13823:2002

3.2. Test Results -/-

Test Method	Parameter	Number of Tests	Results	
			Parameter measured, Average Value	Compliance Parameter
1	2	3	4	5
PN-EN ISO 11925-2:2004 Surface exposure 30 s	Flames spread-out ≤ 150 mm Burning drops	12	(-) (-)	T N
EN 13823	FIGRA _{0.2MJ} FIGRA _{0.4 MJ}		0 0	(-) (-)



	LFS < endge		(-)	T
	THR _{600s} [MJ]	5	0.5	(-)
	SMOGR _A [m ² /s ²]		55	(-)
	TSP _{600s} [m ²]		71	(-)
	Burning drops/particles		(-)	N
(-) not applicable				
T: yes				
N: no				

4. Classification and its Direct Scope of Application -/-

-/-

4.1. Reference and Direct Scope of Application -/-

The classification has been defined in accordance with the chapter 10 PN-EN 13501-1:2004. -/-

-/-

4.2. Classification -/-

The suspended ceiling called WF-Opak, in the scope of reaction to fire, has obtained the basic classification: **B** -/-

Owing to the smoke emission, the product has achieved the additional classification: **s2** -/-

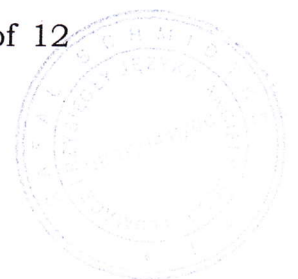
Owing to the occurrence of the burning drops and solid wastes, the product has been granted the additional classification: **d0** -/-

The suspended WF-Opak classification in the scope of its reaction to fire for tile floors: **B – s2,d0** -/-

-/-

4.3. Scope of Application -/-

The present classification is valid for the final applications, in accordance with the technical conditions that buildings ought to comply with as well as their location and the product “flammable, not dripping after fire impact” according to the Minister’s of Infrastructure decree as of 12



April 2002 (Journal of Laws – Dz. U. No 75 as of 15 June 2002). -/-

The present classification is valid for the following parameters that characterise the product: -/-

- plasticized PVC with the same content as the product tested, -/-
- surface mass: 221 g/m², -/-
- thickness 170 µm, -/-
- various colours -/-

The classification is valid for the following conditions for the final application: -/-

- without the prime coat -/-
- on the A2 class prime coat maintaining the distance from it of at least 40 mm, -/-
- the ceiling stretched through the system of edges fastening with the minimum tension force 30 daN/m of foil. -/-

-/-

5. Reservations -/-

The classification granted shall be valid as long as: -/-

- the test method is not changed; -/-
- the product standard or the product technical approval is not changed; -/-
- the structural and material changes do not exceed the limits of the application area stipulated in item 4.3. -/-

The present classification report has been issued in 2 copies. The certified copies may be issued by the ITB Fire Testing Laboratory upon the report Owner's request only. This classification report is not the product approval or certificate.



Report	Full Name	Signature*	Date
Prepared by	Bartłomiej Papis	[illegible signature]	08/09/2008
Verified by	Andrzej Kolbrecki	[illegible signature]	08/09/2008
* on behalf and authorised by the Building Research Institute			

[rectangular seal: Andrzej Borowy, Ph. D., Deputy Manager of the Fire Testing Laboratory – illegible signature] -/-

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[Translator's Note: in the foot of the first page: the Issuer's Statistical Identification Number REGON: 000063650; Bank account BPH S.A Warsaw No: 77 1240 5918 1111 0000 4913 4569; Taxpayer Identification Number NIP: 525-000-93-58; in the head of the remaining pages: THE CLASSIFICATION REPORT NO NP-1050/P/08/AK] -/-

I, the undersigned English Language Sworn Translator – Rafał Schmidtke - hereby certify that the present certified translation is compatible with the document in Polish. [4,717 characters – 4 pages] -/-

Katowice, 9 February 2009