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Declaration of Performance For the „imi – beton Mat“

<u>feature</u>	<u>achievement</u>	<u>technical specification</u>
Brandverhalten	C-s1, d0	MPA Hannover Test fire behavior according to: EN13501-1:2007+A1:2009

The achievement of the product is in accordance to the declared achievement.
Responsible for the indication of this declaration of performance is the manufacturer only.

Signed by the user and in his name:

P. Schubert / Managing Director

imi-beton

imi-rost

imi-altholz

imi-monyt

imi ist eine Marke der
H. Schubert GmbH
Sitz der GmbH:
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Geschäftsführer
Peter Schubert, Siegfried Schubert
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Reaction to fire classification report no. 182532

1. edition dated 6 June 2018

Reaction to fire classification report of the building product "imi-Beton Matte"

Sponsor: H. Schubert GmbH
Klein Haddorf 2
48493 Wettringen

Order from: 16.02.2018 – Evelien Mann

This classification report defines the classification assigned to "imi-Beton Matte" in accordance with the procedures given in EN 13501-1:2007+A1:2009



This reaction to fire classification report consists of 3 pages.

The classification report shall be published unabridged. Any partial publishing requires the written allowance by the testing institute.

1 Details of classified products

1.1 Nature and end use application

The building product "imi-Beton Matte" is a PU base plate with a thickness of 2,5 mm and coated with a 0,5 mm organic putty as a special coating based on dispersion in concrete look. The classification is valid for the following application: Internal wall applications.

1.2 Description

The product "imi-Beton Matte" is described in the test reports provided in support of the classification listed in section 2.1.

For the product exists currently no European product specification.

2 Test reports and test results in support of this classification

2.1 Test reports

Name of laboratory	Name of sponsor	Test report no.	Test method
MPA HANNOVER	H. Schubert GmbH	181136	EN 13823: 2010-07
		181137	EN ISO 11925-2: 2010-11

2.2 Test results

Test method	Parameter	Number of tests	Results		
			Continuous parameter (mean)	Compliance parameter	
EN ISO 11925-2 Exposure 30 s	Surface flame attack Clause 7.3.3.1	$F_s \leq 150$ mm	6	-	compliant
	Edge flame attack Clause 7.3.3.2.2	$F_s \leq 150$ mm	6	-	compliant
	Flaming droplets/ particles	Ignition of the filter paper	12	-	non-compliant
EN 13823	FIGRA _{0,2 MJ} (W/s)	3	154	-	-
	FIGRA _{0,4 MJ} (W/s)	3	154	-	-
	LFS < edge	3	-	-	compliant
	THR _{600s} (MJ)	3	5,1	-	-
	SMOGRA (m ² /s ²)	3	10	-	-
	TSP _{600s} (m ²)	3	29	-	-
	Brennendes Abtropfen/Abfallen		3	-	-

3 Classification and field of application

3.1 Reference of classification

This classification has been carried out in accordance with clauses 11.5 and 14.1 of EN 13501-1: 2007 + A1: 2009.

3.2 Classification

The product "imi-Beton Matte" in relation to its reaction to fire behaviour is classified: C

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 construction products is:

Fire behaviour	Smoke production		Flaming droplets/particles	
C	s	1	d	0

Reaction to fire classification: C-s1, d0

3.3 Field of application

This classification is valid for the following end use applications:

- Underground: Gypsum plaster boards and also any end use substrates of Class A1 or A2-s1, d0 according to EN 13501-1
- Adhesive: Metylan "Ovalit S"
(Wet application rate of the adhesive $\leq 600 \text{ g/m}^2$)

This classification is also valid for the following product parameters:

- Nominal mass per unit area of the PU base plate: $3,8 \text{ kg/m}^2$
- Nominal dry application rate of the coating: $1,6 \text{ kg/m}^2$
- Nominal mass per unit area of the product: $5,4 \text{ kg/m}^2$

4 Limitations

4.1 Warning

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

Hanover, 6 June 2018
Head of fire laboratory



(ORR Dipl.-Ing. Restorff)



Technician



(Dipl.-Ing. Kielinski)