BUILDING COMMON GROUND

MAX FRANK®

Classification Report

Sorp 10®

113152 | 05.09.2011 | english

Reaction to fire classification report of the construction product

Sorp 10®

Tested by: MBP BAU, Hannover

Note: This is a translation of the German original document not examined by MBP BAU, Hannover

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Materials Testing Laboratory for Construction Engineering

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Classification Report No. 113152

1st copy of 5 September 2011

Reaction to fire classification report of the construction product

"Sorp10®"

Sponsor: Max Frank GmbH & Co. KG
Mitterweg 1

94339 Leiblfing

Order of: 6 July 2011 – J. Rapps

This classification report defines the classification of the construction product "Sorp10® sound absorbing spacer" in accordance with the method specified in DIN EN 13501-1.

The classification report consists of 4 pages.

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1. Details of the classified construction product

1.1 Nature and field of application

The construction product "Sorp10®" is a spacer made of fibre-reinforced concrete with integrated sound-absorbing strips made of expanded glass granulates. The classification applies for the following application: preparation of concrete slabs.

1.2 Description of the construction product

The construction product "Sorp10®" consists of a U-shaped moulding made of fibre-reinforced concrete. In the U-section, the sound-absorbing material "Reapor®" is inserted in the form of strips. Fixation is carried out using the thin-bed adhesive mortar "CA 81 acoustic adhesive PhoneStop".

There is currently no European product specification for the construction product,

2. Test reports and test results in support of this classification

2.1 Test reports

Name of the laboratory	Sponsor	Test report number	Test method
MFPA Leipzig	Liaver GmbH & Co. KG	PB 3.1/11-121-1	DIN EN ISO 1716
		PB 3.1/11-121-2	DIN EN ISO 1182
MPA NRW	Henkel Bautechnik GmbH	230004806-2	DIN EN ISO 1716
		230004806-1	DIN EN ISO 1182

2.2 Test results

2.2.1 U-shaped spacer made of fibre-reinforced concrete

The produced U-sections contain less than one percent by mass of organic material and, therefore, meet the requirements of class A1 pursuant to DIN EN 13501-1 according to the provisions of the EC Decision 96/603/EC, including amendments, with respect to reaction to fire performance without the need for testing.

2.2.2 Sound-absorbing material made of expanded glass granulate

Reapor®			**Test results**	
Test method	**Parameter**	**Number of tests**	**Continuous parameter (mean value)**	**Discrete parameter**
DIN EN ISO 1182	ΔT (°C) Δm (%) t_f (s)	5 5 5	1 0.3 0	- - -
DIN EN ISO 1716	PCS (MJ/kg)	3	0.0	-

2.2.3 Thin-bed adhesive mortar

CA 81 acoustic adhesive PhoneStop			**Test results**	
Test method	**Parameter**	**Number of tests**	**Continuous parameter (mean value)**	**Discrete parameter**
DIN EN ISO 1182	ΔT (°C) Δm (%) t_f (s)	5 5 5	4.8 14.6 0	- - -
DIN EN ISO 1716	PCS (MJ/kg)	3	0.50	-

3. Classification and direct field of application

3.1 Reference

This classification has been carried out in accordance with sections 11.8.2 and 14.1 of the standard DIN EN 13501-1: 2010-01.

3.2 Classification

With respect to its reaction-to-fire performance, the construction product “Sorp10®” is classified as follows: A1

Reaction to fire classification: class A1

3.3 Field of application

This classification is valid without limitations to the end applications conditions.

Moreover, this classification is valid for the following product parameters:

- Sound-absorbing material: Reapor®
- Thin-bed adhesive mortar: CA 81 acoustic adhesive PhoneStop

4. Limitations

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

Hanover, 5 September 2011