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**CLASSIFICATION OF FIRE BEHAVIOUR
ACCORDING TO EN 13501-1 : 2010-01**

Classification report no.: *K-2300/979/18-MPA BS*

Customer: *Remmers GmbH
Bernhard-Remmers-Straße 13
D-49624 Lönningen*

Report prepared by: *Materialprüfanstalt für das Bauwesen
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Notified body no.: *0761-CPD*

Product name: *“MB 2K”*

Issue number: *1*

Date of issue: *22 January 2019*

Validity period: *Not restricted*

This classification report comprises 5 pages.

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1 Introduction

This classification report on fire behaviour defines the classification that is assigned to the construction product “*MB 2K*” in accordance with the procedure set out in EN 13501-1 : 2010 01.

2 Details of the classified construction product

2.1 General

The construction product “*MB 2K*” belongs to the following product type: *liquid-applied waterproofing materials in conjunction with tiles and slabs, and mineral waterproofing slurries for building waterproofing*.*.

2.2 Description

The construction product “*MB 2K*” is described in full in the test report cited in Section 3.1, which forms the basis for the classification.

3 Test reports and test results as the basis for the classification

3.1 Reports

Name of testing institute	Name of customer	Report no.	Test method / date
MPA Braunschweig	Remmers GmbH Bernhard-Remmers-Straße 13 D-49624 Lönningen	2300/979/18-a date: 22/01/2019	DIN EN ISO 11925-2 2011-02

3.2 Results

Test method	Parameter	Number of tests	Results	
			Continuous parameters (mean value)	Discrete parameters
EN ISO 11925-2				
Flame exposure to surface 15 s	$F_s \leq 150$ mm	6	--	<i>passed</i>
Flaming droplets/particles	Ignition of the filter paper	6	--	<i>no</i>

* Information provided by the customer

Test method	Parameter	Number of tests	Results	
			Continuous parameters (mean value)	Discrete parameters
EN ISO 11925-2				
Flame exposure to edge 15 s	Fs ≤ 150 mm	6	--	<i>passed</i>
Flaming droplets/particles	Ignition of the filter paper	6	--	<i>no</i>

4 Classification and area of use

4.1 Reference for classification

Classification was conducted in accordance with DIN EN 13501-1 : 2010-01.

4.2 Classification

With regard to its fire behaviour, the construction product “*MB 2K*”* is classified as follows:

E

The additional classification with regard to smoke emission is:

No requirement

The additional classification with regard to flaming droplets/particles is:

Passed

The format for the classification of the fire behaviour of construction products, with the exception of floor coverings and pipe insulation, is:

Fire behaviour		Smoke emission			Flaming droplets	
<i>E</i>	--	--	--	--	--	--

Classification of fire behaviour: *E*

* Information provided by the customer

4.3 Area of use

This classification is valid for the following product parameters:

Parameter	Scope of validity of the classification
Product name:	"MB 2K"*
Material type:	2-component liquid waterproofing materials*
Density:	0.992 kg/dm ³ ± 0.05 kg/dm ³
Layer thickness:	2 mm ± 0.1 mm
Substrate:	Applied to solid mineral substrates of Euro class A1 or A2-s1 d0, with a thickness ≥ 6 mm and a density ≥ 1350 kg/m ³

* Information provided by the customer

The classification is valid for the following end use:

Transitions from building waterproofing to building elements made of concrete with high water penetration resistance

(Administrative regulation C.3.25)

- *Waterproofing of building elements with ground contact against pressing water and in transitions to water-impermeable building elements.*

Mineral waterproofing slurries for building waterproofing

(Administrative regulation C.3.26)

- *Waterproofing of floor slabs and outer walls with ground contact against ground moisture (capillary water, retained water) and non-standing seepage water.*

- *Horizontal waterproofing in and under walls against capillary rising water.*

- *Waterproofing of outer walls with ground contact against standing seepage water and pressing water.*

- *Waterproofing of vessels against water pressing from within (swimming pools, water tanks, water storage basins etc.) indoors and outdoors.*

Liquid-applied waterproofing material in conjunction with tiles and floor coverings

(Administrative regulation C.3.27)

- *Walls and floors subjected to direct loads in rooms where service and cleaning water is used very frequently or for long periods, e.g. corridors surrounding swimming pools and showers (public or private).*

- *Exterior walls and floors subjected to direct loads that are connected to buildings and on which service and cleaning water is used very frequently or for long periods, e.g. walls and floors of swimming facilities that are connected to or directly adjacent to buildings.*

- Walls and floors of vessels that come into direct contact with water of drinking quality¹, such as swimming pools and drinking water tanks indoors and outdoors, if these are directly connected or adjacent to buildings.

5 Notice

- 5.1 In conjunction with other materials, with other distances, fastenings, joint types/connections, thickness or density ranges, or coatings other than those specified in Section 3.1, the fire behaviour may be unfavourably influenced such that the classification in Section 4.2 is no longer valid. The fire behaviour of parameters other than those specified above must be verified separately.
- 5.2 This classification report is not a type approval or product certification, and does not replace any building inspectorate certification that may be required under German construction law (state building regulations).
- 5.3 The manufacturer has made no declaration regarding the classification of its product in a system of the procedure for verification of conformity for the purpose of CE marking within the framework of the German Regulation on Construction Products (*Bauproduktenverordnung*, BauPVO).

Signature

[signature]

K. Feustel-Prause
Case administrator

[STAMP: MPA Braunschweig]

Confirmed by

[signature]

ORR Dr.-Ing. G. Blume
Head of the Testing Centre

¹ For e.g. mineral water and brine tanks, additional certification is required on a case-by-case basis.