BUILDING COMMON GROUND

MAX FRANK

Declaration of Performance

Annex III of regulation (EU) Nr. 305/2011

CE

Zemseal® fully-bonded membrane

Crack-bridging, pressurized water-tight and tracking-proof sub-structure waterproofing system for high usage requirements

1.	**Product Type:** Unique identification code of the product type	**Zemseal® fully-bonded membrane**
2.	**Type:** Batch or serial number or any other element allowing identification of the construction product as required under Article 11(4)	**Zemseal® 05, Zemseal® 08 und Zemseal® 12** **Batch number:** Refer to product label
3.	**Intended Use:** Or uses of the construction product, in accordance with the applicable harmonized technical specification, as foreseen by the manufacturer	Water pressure-tight composite sealing and vapor barrier for concrete structures according to EN 1992 or as a primary sealing layer in combination with concrete, conforming to EN 13967
4.	**Name, registered trade name:** Or registered trade mark and contact address of the manufacturer as required under Article 11(5)	**Zemseal® fully-bonded membrane** Max Frank GmbH & Co. KG, Mitterweg 1, 94339 Leiblfing, Germany
5.	**Contact address:** Where applicable, name and contact address of the authorized representative whose mandate covers the tasks specified in Article 12(2)	Not relevant (see 4)
6.	**AVCP:** System or systems of assessment and verification of constancy of performance (AVCP) of the construction product as set out in CPR, Annex V	System 2+
7.	**Notified body (hEN):** In case of the declaration of performance (DoP) concerning a construction product covered by a harmonized standard	**MFPA für das Bauwesen Leipzig GmbH** **0800-CPR-16022-1**
8.	**Notified body (ETA:)** In case of the declaration of performance concerning a construction product for which a European Technical Assessment (ETA) has been issued	not applicable

9. Declared Performance:

Basic Characteristics	Declared Performance
basic material	polypropylene (PP)
product declaration	according to EN 13967
thickness: total value	
Zemseal® 05	0,8 mm +/- 0,15 mm
Zemseal® 08	1,0 mm +/- 0,15 mm
Zemseal® 12	1,2 mm +/- 0,15 mm
water-tightness EN 1928 B (24h/500 kPa)	5 bar (50 m water column)
Impact resistance EN 12691 (method A – hard surface)	
Zemseal® 05	> 350 mm
Zemseal® 08	> 500 mm
Zemseal® 12	> 650 mm
Resistance to static loading EN 12730 (method B – hard surface)	
Zemseal® 05	≥ 35 kg
Zemseal® 08	≥ 40 kg
Zemseal® 12	≥ 45 kg
vapor resistance S_d-value according to EN 1931 B	
Zemseal® 05	> 233
Zemseal® 08	> 280
Zemseal® 12	> 305
tear resistance EN 12310-1 (nail shaft)	
Zemseal® 05	L > 280 N / Q > 360 N
Zemseal® 08	L > 430 N / Q > 520 N
Zemseal® 12	L > 450 N / Q > 580 N
joint shear resistance EN 12317-2	> 260 N/ 50mm
fire behavior EN ISO 11925-2	class E
durability water tightness	
after artificial ageing EN 1928 B / EN 1296	passed
against chemicals EN 1847 / EN 1928 B	passed
bitumen compatibility EN 1548	passed
processing temperature (ambient / air)	0° to +45°C
tracking-proof according to EN 12390-8 and EAD 17-03-0378-06.05	≤ 25 mm
dangerous substances	no

10. Declaration:

The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. This declaration of performance (DoP) is issued under the sole responsibility of the manufacturer identified in point 4.
Signed for and on behalf of the manufacturer by

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Dipl.-Ing. B.Sc. Moritz Michel

Head of Technology and Innovation

Leiblfing, 14th January 2020

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