

Declaration of Performance

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



Zemseal® fully-bonded membrane

No. G4C-Zemseal-2021-V.04-13967



acc. to EN 13967

1.	Unique identification code of the product type	Zemseal® fully-bonded membrane
2.	Intended use/es:	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
3.	Manufacturer:	MAX FRANK GmbH & Co. KG Mitterweg 1, 94339 Leiblfing, Germany
4.	Authorised representative:	Not relevant (see 3.)
5.	System/s of AVCP:	System 2+ System 3 (fire behaviour)
6a.	Harmonised standard:	EN 13967 MPA Bau – TU Munich 1211-CPR-2404-5-2021
6b.	European Assessment Document:	not applicable

7. Declared performance/s:

Essential characteristics	performance
Basic material	polypropylene (PP)
Product declaration	according to EN 13967
Thickness: total values	
Zemseal® 05	0,8 mm +/- 0,15 mm
Zemseal® 08	1,0 mm +/- 0,15 mm
Zemseal® 12	1,2 mm +/- 0,15 mm
Fire behaviour EN ISO 11925-2	class E
Water-tightness EN 1928 B (24h/500 kPa)	5 bar (50 m water column)
Resistance to tearing EN 12310-1 (nail shank)	≥ 290 N (l) and (t)
Zemseal® 05 - mean value	
Shear resistance of joints EN 12317-2	
Zemseal® 05 - mean values	≥ 400 N (lateral impact) ≥ 450 N (butt joint)
Mode of failure	Separate/split, adhesive area, cohesion fracture
Impact resistance	
EN 12691 (method A – hard surface)	
Zemseal® 05	> 350 mm
Zemseal® 08	> 500 mm
Zemseal® 12	> 650 mm
Tensile strength, mean values acc. to EN 12311-2	
Zemseal® 05	≥ 500 (l) ¹ , 380 (t) ² N/50 mm
Zemseal® 08	≥ 670 (l), 530 (t) N/50 mm
Zemseal® 12	≥ 800 (l), 580 (t) N/50 mm
Resistance to static loading EN 12730 (method B)	
Zemseal® - all types	≥ 35 kg
Durability water tightness	
after artificial ageing EN 1928 B / EN 1296	passed
against chemicals EN 1847 / EN 1928 B	passed
Dangerous substances	none
Compatibility with bitumen EN 1548	passed
Resistance to damage acc. to EN 12390-8	≤ 25 mm

8. Appropriate Technical Documentation and/or Specific Technical Documentation: ---

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

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, 28.09.2021

¹ l – Longitudinal test
² t – Traversal test