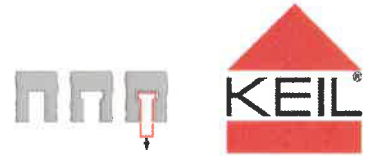




Declaration of Performance

DoP no. 0793-CPR-8.1-5



1. Unique Identification code of the product-type: **Mosa KEIL undercut anchor for "Royal Mosa stoneware"**
2. Type number: **KH 5,5; KH 7; KH 8,5**
3. Intended use or uses of the construction product: **Fastener for the rear fixing of facade panels made of ceramic plates "Royal Mosa stoneware" according to EN 14411:2012**
4. Manufacturer: **Mosa Facades bv, Meerssenerweg 358, 6224 AL Maastricht, NETHERLANDS**
5. Authorised representative: -
6. System or systems of assessment and verification of constancy of performance: **System 2+**
7. Harmonised Standard: -
8. European evaluation document: **EAD 330030-00-0601**
European Technical Assessment: **ETA-09/0348**
Technical Assessment Body: **DIBt**
Notified Body: **0793 – Güteschutz Beton**

9. Declared Performance:

Mechanical resistance and stability (BWR 1)

Essential characteristic	Performance
Characteristic resistance for tension and shear load	See Annex C 1
Fastener distances and spacing	See Annex C 1
Durability	Corrosion Resistance Class (CRC) III according to EN 1993-1-4:2015

Safety in case of fire (BWR 2)

Essential characteristic	Performance
Reaction to fire	Class A 1
Resistance to fire	No performance assessed

10. 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 is issued under the sole responsibility of the manufacturer identified in point 4. Signed for and on behalf of the manufacturer by:

KEIL Befestigungstechnik GmbH
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Christian Schmidt
Managing Director
Engelskirchen, 10.10.2019

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Dipl.-Ing. Georg Miebach
Product Manager

Table C1: Characteristic values for the design of the anchor

Embedment depth		$h_s =$	[mm]	5,5	7,0	8,5
Panel thickness		$h \geq$	[mm]	8,0	9,5	11,0
Characteristic resistance to tension load	Class A	$N_{Rk} =$	[kN]	1,0	1,5	2,7
	Class B			1,1	1,6	2,8
	Class C			1,2	1,7	3,0
characterisitic resistance to shear load	Class A	$V_{Rk} =$	[kN]	2,0	2,2	2,4
	Class B			2,1	2,3	2,5
	Class C			2,2	2,4	2,6
edge distance ¹⁾		$a_r \geq$	[mm]	100		
spacing		$a \geq$	[mm]	200		

¹⁾ The edge distance may be reduced to 50 mm. For edge distances $50 \text{ mm} \leq a_r \leq 100 \text{ mm}$ the characteristic values of resistance for shear loads shall be reduced by the factor $a_r/100$ [a_r in mm]; in case of different edge distances the smaller value is decisive

Mosa KEIL undercut anchor for "Royal Mosa stoneware"

Performance
Characteristic values for the design of the anchor

Annex C 1