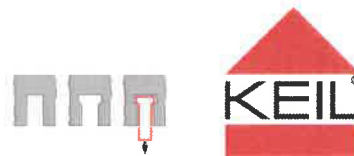




## Declaration of Performance

DoP Nr. 0793-CPR-8.1-23



1. Unique Identification code of the product-type: **Neolith KEIL undercut anchor KH**
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 façade panels "The Size, Neolith" made of ceramic plates (stoneware) in accordance with EN 14411:2012**
4. Manufacturer: **THESIZE SURFACES S.L., Cami Fondo, Supoi8 C/Delis Iberes 31, 12550 ALMASSORA/ALMAZORA, SPAIN**
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-19/0547**  
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 in accordance with EN 1993-1-4:2015 |

**Safety in case of fire (BWR 2)**

| Essential characteristic | Performance             |
|--------------------------|-------------------------|
| Reaction to fire         | Class A1                |
| 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**  
Olpener Str. 13a · 51766 Engelskirchen  
www.keil.pro

**Gerda Söhngen**  
Managing Director  
Engelskirchen, 14.01.2020

**KEIL Befestigungstechnik GmbH**  
Olpener Str. 13a · 51766 Engelskirchen  
www.keil.pro

**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  |
| characterisitc 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 <sup>1)</sup>               |         | $a_r \geq$ | [mm] | 100 |     |      |
| spacing                                   |         | $a \geq$   | [mm] | 200 |     |      |

<sup>1)</sup> 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

Neolith KEIL undercut anchor KH

**Performance**  
Characteristic values for the design of the anchor

Annex C 1