

TEST REPORT

KEIL - Undercut Fixing



Zertifiziert nach
DIN ISO 9001 (EN 29001)



Material

Description : GFRC concrete samples
Size of panel : 240 mm x 240 mm x 25,5-29,0 mm
Manufacturer / supplier : Concreteworks Studio East
Date of order : 18.08.2016

Test Description

Anchor : KEIL-Undercut Facade Anchor
Insertion depth : $h_S = 15$ mm
Drill hole size : cylindrical $\varnothing 7$ mm
undercut $\varnothing 9$ mm
Tested minimum edge distance : 100 mm
Type of drill : KEIL Diamond Facade Drill Bit
Type of load : central pull
Support : $\varnothing 135$ mm

Test Results

sample no.	fracture load [KN]	type of rupture	
		excavation cone [mm]	breakage of sheet
1	3,29	80 x 100	
2	2,92	70 x 90	
3	3,53	90 x 110	
4	3,49	80 x 100	
5	3,24	80 x 100	
6	3,36	70 x 110	
7	3,51	90 x 100	
8	3,16	90 x 110	
9	3,01	90 x 110	
10	3,15	70 x 90	

Arithmetic average : **3,27 KN**
Coefficient of variation : 6,45 %
5 % quantile (75%) : **2,84 KN**

Tested by:

Markus Fuchs
(Applications Engineer)

Tests supervised by:

Georg Miebach Graduated Engineer
(Product Manager)

KEIL Befestigungstechnik GmbH
Im Auel 42 · D-51766 Engelskirchen
Tel.: +49 (0) 2263 807-0
Fax: +49 (0) 2263 807-333

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The testing has been performed with the greatest precision and care. We will not assume any liability for the above test results and we will not assume any third party's liability against us. For verification of the test results they may be confirmed from another source with our complete support and fullest co-operation. The tested materials and pieces will be maintained at our facility for a time period of four weeks.