



QUALITY CONTROL  
CERTIFICATE R & D AND QUALITY  
CONTROL DEPARTMENT  
DRIZORO, S.A.U REPORT N°: 20190612001

TEST: ADHESION *MAXSEAL*®*FLEX - M and MAXSEALFLEX*

**SUBSTRATE:** James Hardie SECURA CEMENT BOARD

STANDARD: ASTM D-4541

PRODUCT: *MAXSEAL*®*FLEX-M and MAXSEALFLEX*

TESTED QUANTITY : 3 KG/M<sup>2</sup>

**PREPARATION OF SPECIMENS:**

Two coats (3,0 kg/ m<sup>2</sup> totally) of *MAXSEAL*®*FLEX -M* and *MAXSEALFLEX* are applied on a SECURA FLOORING special cement substrate delivered by SCIENTIFIC WATERPROOFING COMPANY, following instructions from TECHNICAL BULLETIN N° 29. Curing is performed under normal laboratory conditions at 20 °C for 28 days.

**RESULTS:**

FIXING	MAXSEALFLEX -M	MAXSEALFLEX	TYPE OF BREAK
	ADHESION VALUE - (MPa)	ADHESION VALUE - (MPa)	
1	0,72	0,87	*BREAK SUBSTRATE
2	0,87	0,58	*BREAK SUBSTRATE
3	0,89	0,80	*BREAK SUBSTRATE
4	0,60	1,00	*BREAK SUBSTRATE
<b>AVERAGE</b>	<b>0.77</b>	<b>0,81</b>	

**TEST METHOD:**

Four metal fixings with diameter 50 mm are fixed with epoxy adhesive on *MAXSEAL*®*FLEX -M* and *MAXSEALFLEX* allowing curing of the adhesive for 24 hours. Then, measured adhesion value with specific portable device as detailed in this standard, and type of breakage observed.

Note: \*It is seen on all samples that the *substrate surface* has been broken during the pull-out adhesion test, then adhesion force of *MAXSEAL FLEX-M* and *MAXSEALFLEX* is expected to be higher if such substrate would not have broken .

Torrejon de Ardoz, June 12<sup>th</sup>, 2019

Signed. Francisco  
Rodriguez QUALITY  
CONTROL / R & D DPT.

ADHESION TEST ON SECURA FLOORING

