

Testing Report

Date 21st March 2022

Company Masons Plastabrick Ltd

Products Tested

Supplied by Masons Plastabrick	Supplied by Soudal
Wrap: UNI PRO Barrier (FAB) Wrap: UNI PLUS Barrier (FAB) Wrap: UNI Barrier (FAB) Tape: 40-Below Tape: 40-Below Platinum Tape: 40-Below FLEX	Gorilla MS Sealant Gorilla Plumbers Silicone Gorilla 940FC Sealant Soudaseal Firestop MS Sealant Gorilla PRO Expanding Foam Gorilla FR Expanding Foam <u>Surface Preparation:</u> <ul style="list-style-type: none">• Gorilla Solvent Cleaner• Gorilla 696 Surface Activator

Purpose of testing:

Determine adhesion and sealing capabilities of various Soudal Sealants and Expanding Foams used in the installation of window and door frames in both residential & commercial building projects with Mason Plastabrick Ltd products.

Conclusion

- Adhesion/Seals between products was achieved when used in accordance with the requirements of the “Window & Glazing Assoc. New Zealand” window installation guidelines.
- Expected durability of Soudal products is to be not less than 15 years when used in conjunction with “Masons” tested products.
- There were no signs of plasticizer migration between materials used.

Prepared by: Steve Loveridge
Soudal Technical Manager
21 March 2022

Testing Outcomes

Adhesion of Soudal Sealants & Expanding Foams to MPB 'Flexible Air Barrier'

	Gorilla MS Sealant	Gorilla Plumbers Silicone	Gorilla 940FC	Soudaseal Firestop MS		Gorilla FR Expanding Foam	Gorilla PRO Expanding Foam
WRAPS							
UNI PRO Barrier (FAB)	Excellent Adhesion PASS	Excellent Adhesion PASS	Excellent Adhesion PASS	Excellent Adhesion PASS		Excellent Adhesion PASS	Excellent Adhesion PASS
UNI Barrier (FAB) - PLUS	Excellent Adhesion PASS	Very Good Adhesion PASS	Excellent Adhesion PASS	Excellent Adhesion PASS		Excellent Adhesion PASS	Excellent Adhesion PASS
UNI Barrier	Excellent Adhesion PASS	Excellent Adhesion PASS	Excellent Adhesion PASS	Excellent Adhesion PASS		Excellent Adhesion PASS	Excellent Adhesion PASS

Adhesion of Soudal Sealants & Expanding Foams to MPB '40-Below Flashing Tapes'

	Gorilla MS Sealant	Gorilla Plumbers Silicone	Gorilla 940FC	Soudaseal Firestop MS		Gorilla FR Expanding Foam	Gorilla PRO Expanding Foam
TAPES							
40 Below	Excellent Adhesion PASS	Excellent Adhesion PASS	Excellent Adhesion PASS	Excellent Adhesion PASS		Excellent Adhesion PASS	Excellent Adhesion PASS
40 Below Platinum	Excellent Adhesion PASS	Excellent Adhesion PASS	Excellent Adhesion PASS	Excellent Adhesion PASS		Good Adhesion PASS	Good Adhesion PASS
40 Below FLEX	Excellent Adhesion PASS	Excellent Adhesion PASS	Excellent Adhesion PASS	Excellent Adhesion PASS		Excellent Adhesion PASS	Excellent Adhesion PASS

Notes:

- In all instances, with testing against the supplied "Masons Flashing Tapes" adhesion of the Soudal sealants were excellent. There was no sign of plasticizer migration causing a delamination between materials.
- When testing adhesion of Soudal sealants and the "Masons Flashing Tapes" the use of "surface preparation" made no improvement to adhesion of sealants to the "Masons Flashing Tapes" tested against. However, it should be noted that if at site, the installer considers the tapes to be 'dirty', Soudal will always recommend the surface be wiped with Gorilla Solvent Cleaner.
- All Expanding Foams used in window installation are positioned between the window reveal and the 'Flashing Tape' to provide an air seal as per the "Window & Glazing Assoc. New Zealand".

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