

## Testing Report

Date 08 August 2022

Company Masons Plastabrick Ltd

### Products Tested

#### **Supplied by Masons Plastabrick**

Wrap: UNI PRO Barrier (FAB)

Wrap: Barricade WD

Wrap: UNI PLUS Barrier (FAB)

Wrap: UNI Barrier (FAB)

Tape: 40-Below

Tape: 40-Below Platinum

Tape: 40-Below FLEX

#### **Supplied by Soudal**

Gorilla MS Sealant

Gorilla Plumbers Silicone

Gorilla Fix All Flexi

Gorilla 940FC Sealant

Soudaseal Firestop MS Sealant

Soudaseal 240FC

Gorilla PRO Expanding Foam

Gorilla FR Expanding Foam

#### Surface Preparation:

- 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.
- Determine adhesive and sealing capability to the Barricade WD 'Adhesive Coating' of the Mason's Barricade WD and uneven concrete surfaces.

#### **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.

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08 August 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
<b>WRAPS</b>							
<b>UNI PRO Barrier (FAB)</b>	Excellent Adhesion PASS	Excellent Adhesion PASS	Excellent Adhesion PASS	Excellent Adhesion PASS		Excellent Adhesion PASS	Excellent Adhesion PASS
<b>Barricade WD (Upper Surface)</b>	Excellent Adhesion PASS	Excellent Adhesion PASS	Excellent Adhesion PASS	Excellent Adhesion PASS		Excellent Adhesion PASS	Excellent Adhesion PASS
<b>UNI Barrier (FAB) - PLUS</b>	Excellent Adhesion PASS	Very Good Adhesion PASS	Excellent Adhesion PASS	Excellent Adhesion PASS		Excellent Adhesion PASS	Excellent Adhesion PASS
<b>UNI Barrier</b>	Excellent Adhesion PASS	Excellent Adhesion PASS	Excellent Adhesion PASS	Excellent Adhesion PASS		Excellent Adhesion PASS	Excellent Adhesion PASS

### Adhesion of Soudal Sealants to MPB 'Barricade WD' adhesive surface

	Gorilla MS Sealant	Gorilla Fix All Flexi	Soudaseal 240FC	Gorilla MS Flooring Adhesive
<b>WRAP</b>				
<b>Barricade WD (Adhesive Surface)</b>	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
<b>TAPES</b>							
<b>40 Below</b>	Excellent Adhesion PASS	Excellent Adhesion PASS	Excellent Adhesion PASS	Excellent Adhesion PASS		Excellent Adhesion PASS	Excellent Adhesion PASS
<b>40 Below Platinum</b>	Excellent Adhesion PASS	Excellent Adhesion PASS	Excellent Adhesion PASS	Excellent Adhesion PASS		Good Adhesion PASS	Good Adhesion PASS
<b>40 Below FLEX</b>	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".