



# FIRE STOP 1

\*Fire Rating:  
Up to 229min



Fire Rated Polyurethane foam which is fast curing and suitable for the complete filling of larger joints. Expands in the joint to about twice its original volume. Excellent adhesion to a wide range of building materials, excellent insulation and soundproofing characteristics. Suitable for interior and exterior applications. Fire rating of up to 229 minutes. Firestop 1 Trade is quick easy and ready to go in a convenient aerosol can. For ultimate precision and ease use Firestop 1 Click n Fix, with the revolutionary adaptor system.

Code	Size
20160	750ml Click n Fix
20169	750ml Aerosol

Insulation of window and door frames, sealing of connection joints, filling of cavities, cable and pipe penetrations, etc.



# MS FIRE STOP

\*Fire Rating:  
Up to 360min



High quality MS polymer, single component, Fire Rated joint sealant based on SMX technology. It will adhere to many common building substrates, is paintable with waterbased paints, and other systems with prior testing, UV and weather resistant, contains no isocyanates, solvents or acids and is very easy to tool and finish.

Code	Size
56219	600ml Sausage



Tested by Warrington Fire Research Centre\*

Ideal for expansion joints in prefabricated, high rise and all usual construction applications.



# FIRECRYL

\*Fire Rating:  
More than 240min



Water based acrylic fire rated sealant and joint filler, which is paintable and remains flexible. Intumescent (self-expanding) in a fire situation. Excellent adhesion to all porous surfaces. Suitable for interior joints with low or medium movement (movement capacity of up to 10%). Fire rating up to 4 hours with Gator PEF backing material.

Code	Size
20060	310ml Cartridge White
21427	500ml Sausage grey

\* Conforms to the New Zealand building code.

Interior fire proofing applications; filling of cracks in concrete and plasterwork, sealing of connection joints.



# FIREASIL

\*Fire Rating:  
Up to 240min



Fire rated neutral cure silicone sealant for joints, which require a highly elastic sealant (movement capacity up to 25%). Excellent adhesion to a wide range of building materials. Suitable for interior and exterior applications. Fire rating up to 4 hours with normal backing.

Code	Size
20165	310ml Cartridge

Fire rated expansion joints. All building and glazing joints which require a fire rating.



# FFC210

\*Fire Rating:  
More than 240min



Intumescent rigid curing sealant and crack filler, which is paintable, intumescent in a fire situation. Excellent adhesion to all porous surfaces. Suitable for cable and pipe penetrations. Fire rating up to 4 hours with normal backing material.

Code	Size
20191	310ml Cartridge

Sealing of joints and openings around fire doors, sealing of cable vents, circulation ducts, etc.



# FIRECEMENT

\*Fire Rating:  
120min



Hard setting sealant for the sealing of ovens, furnaces etc. Resists temperatures of up to 1500°C. Excellent adhesion to a wide range of building materials. Suitable for interior applications. Fire rating up to 4 hours with normal backing material.

Code	Size
20190	310ml Cartridge

Heat resistant sealings of joints and openings at furnaces, heating systems, central heatings, bbqs, etc.

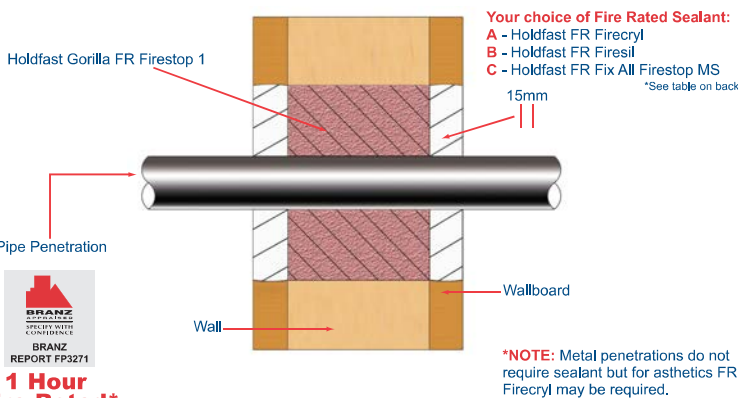
Innovation Plus Imagination

# Site Guide



FIRE RATING UP TO 4 HOURS\*

## Fire Rated Cable/Pipe Penetration



1 Hour Fire Rated\*



## STARTERPACK

- ✓ Less Time
- ✓ Lower Costs
- ✓ No Wastage

Code	Description	Size	Qty
20160	Gorilla Firestop 1	750ml	1
20106	Gorilla Nailpower Click n Fix Gun		1
20107	FREE Gorilla Nailpower Cleaner	500ml	1

HOLDFAST NZ LTD  
GORILLA ADHESIVES PTY LTD (AUST)  
14 Avalon Drive, SH 1, Nawton 3200,  
PO Box 4206, Hamilton East 3247,  
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email: sales@holdfast.co.nz  
http://www.holdfast.co.nz  
http://www.gorillaglue.co.nz

\*\* Products have limitations. Please ensure when using these products that you read the instructions carefully. Test is best. Refer to datasheets and test results for more detailed information. www.holdfast.co.nz



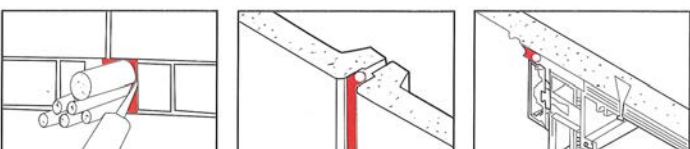
	 <b>FIRE STOP 1 TRADE</b>	 <b>FIRE STOP 1 CLICK N FIX</b>	 <b>MS FIRESTOP</b>	 <b>FIRECRYL</b>	 <b>FIRESEL</b>	 <b>FIRECEMENT</b>	 <b>FFC210</b>
<b>Description</b>	Fire rated Polyurethane Foam	Fire rated Polyurethane Foam for gun	Fire rated MS Polymer	Fire rated Intumescent acrylic sealant	Fire rated low modulus neutral cure silicone	Rigid curing sealant with high temperature resistance	Fire rated Intumescent sealant for cable penetrations
<b>Application Areas</b>	Insulation of window and door frames, sealing of connection joints, filling of cavities, cable and pipe penetrations, etc.	Insulation of window and door frames, sealing of connection joints, filling of cavities, cable and pipe penetrations, etc.	Ideal for expansion joints & connection joints in prefabricated, high rise & all usual construction applications.	Interior fire proofing applications; filling of cracks in concrete and plasterwork, sealing of connection joints.	Fire rated expansion joints. All building and glazing joints which require a fire rating.	Heat resistant sealings of joints and openings at furnaces, heating systems, central heatings, bbqs, etc.	Sealing of joints and openings around fire doors, sealing of cable vents, circulation ducts, etc.
<b>Fire Rating</b> <small>* See test results</small>	Up to 229 minutes*	Up to 229 minutes*	360min*	More than 240min*	Up to 240min*	120min*	More than 240min*
<b>Temperature Resistance (cured)</b>	-40°C until +90°C	-40°C until +90°C	-40°C until +90°C	-20°C until +90°C	-40°C until +140°C	Up to 1500°C	-20°C until +90°C
<b>Acoustic Rating</b>	Max 75Db*	Max 75Db*	N/A	STC 60	N/A	N/A	N/A
<b>Interior/Exterior</b> <small>* when painted</small>	Interior/Exterior*	Interior/Exterior*	Interior/Exterior	Interior/Exterior	Interior/Exterior	Interior/Exterior	Interior
<b>Paintable</b>	Paintable	Paintable	Paintable	Paintable	-	Paintable	Paintable
<b>UV Resistant</b>	-	-	UV Resistant	UV Resistant	UV Resistant	N/A	N/A
<b>Waterproof</b>	Waterproof	Waterproof	Waterproof	Weather Resistant (after cure)	Waterproof	N/A	N/A
<b>Movement</b>	Low Movement	Low Movement	+/-25%	+/-10%	+/-25%	Low Movement	+/-25%
<b>No Shrink</b>	No Shrink	No Shrink	No Shrink	10%	No Shrink	N/A	Ca 15%
<b>Flexible/Elongation</b>	N/A	N/A	Flexible	Flexible	Flexible / 900%	-	-
<b>Curing Rate</b> <small>(at 20°C)</small>	30mm bead/2hrs	30mm bead/2hrs	2mm bead/24hrs	N/A	1mm bead/24hrs	N/A	N/A
<b>Skin Formulation</b> <small>(at 20°C)</small>	10mins	10mins	30mins	20mins	25mins	N/A	20mins
<b>Tack Free Time</b>	25min	25min	10-15min	20min	Ca 20min	N/A	20min
<b>Tensile Strength</b>	>17N/cm <sup>2</sup> <small>(DIN 53427)</small>	>17N/cm <sup>2</sup> <small>(DIN 53427)</small>	-	N/A	0.8N/mm <sup>2</sup>	N/A	N/A
<b>Solvent Free</b>	Solvent Free	Solvent Free	Solvent Free	Solvent Free	Solvent Free	Solvent Free	Solvent Free
<b>No Offensive Odour</b>	No Offensive Odour	No Offensive Odour	No Offensive Odour	No Offensive Odour	No Offensive Odour	No Offensive Odour	No Offensive Odour
<b>Storage</b> <small>*from production date</small>	9 months*	9 months*	12 months*	12 months*	9 months*	12 months*	12 months*
<b>Colour</b>	Red	Red	Grey	White (310ml) Grey (600ml)	Grey	Black	Yellow
<b>Packaging</b>	Cartridge 310ml			Cartridge 310ml Code: 20069	Cartridge 310ml Code: 20165	Cartridge 310ml Code: 20190	Cartridge 310ml Code: 20191
	Sausage 600ml		Sausage 600ml Code: 56219	Sausage 600ml Code: 21427			
	Aerosol 400ml	Aerosol 400ml Code: 20169					
	Aerosol 750ml		Aerosol 750ml Code: 20160				
<b>Approvals</b>	Test Report 9279 - University of Ghent to NBN 713.020, EN 13664, BS 476: Part 20 - Warrington Fire Research Report 13580 France: CSTB Report D'Essai RS00-067 - France Italy: CSI Report 1125RF Australia: WFRFA Report 45717 to AS1530.4 and AS 4072.1 Various applications with fire doors	Test Report 9279 - University of Ghent to NBN 713.020, EN 13664, BS 476: Part 20 - Warrington Fire Research Report 13580 France: CSTB Report D'Essai RS00-067 - France Italy: CSI Report 1125RF Australia: WFRFA Report 45717 to AS1530.4 and AS 4072.1 Various applications with fire doors	CSTB France report no RS00-007 COICE - ISO 9834 at least 2 hours Warrington UK Assessment Report 135871 to BS 476:Part20: 1987 Italy: R.E.I. CSI 1125RF	United Kingdom: BS476: part 20:1987 France: CSTB no: 93.35164 EC: IMD Fire Test Procedure Code Annex 1, Part 5 and Part 2 EC: No: MED 005298/06/98 EC (MED) International ISO 110/1972 EC: IMD resolution A653 (16)	Test Report 8287 - University of Ghent to NBN 713.020 - EN 13664 BS 476: Part 20 - Warrington Fire Research Report DIN4102-81 - Institut für Bautechnik, Berlin TNO-report 2000-CVB-R00700703	Test Report 7830 - University of Ghent to NBN 713.020 BS 476: Part 20 - Warrington Fire Research Report CS1770	Test Report 7830 - University of Ghent to NBN 713.020 BS 476: Part 20 - Warrington Fire Research Report CS1770 DIN4102-81 - Zulassungsnummer Z-19.11.348 - Deutsches Institut für Bautechnik, Berlin

**\*\* Products have limitations. Please ensure when using these products that you read the instructions carefully. Test is best. Refer to datasheets and test results for more detailed information. [www.holdfast.co.nz](http://www.holdfast.co.nz)**

# Test Results - Holdfast Fire Rated Products

Holdfast FR Product Tested	Wall/Width x Depth	Backing Material	Integrity	Heat Insulation	Test Done in
Firestop 1 Firestop 1 Click n Fix	200mm x 11mm CC Filled throughout	None	229 min	229 min	1999 Ghent
Firestop 1 Firestop 1 Click n Fix	200mm x 41mm CC Filled throughout	None	110 min	110 min	1999 Ghent
Firestop 1 Firestop 1 Click n Fix	100mm x 30mm CC Filled throughout	None	50 min	50 min	1999 Ghent
Firestop 1 Firestop 1 Click n Fix	100mm x 11mm CC Filled throughout	None	104 min	103 min	1999 Ghent
Firestop 1 Firestop 1 Click n Fix	200mm x 40mm PC Filled throughout	None	232 min	218 min	2000 CSTB France
Firestop 1 Firestop 1 Click n Fix	200mm x 30mm PC Filled throughout	None	291 min	291 min	2000 CSTB France
Firestop 1 Firestop 1 Click n Fix	200mm x 20mm PC Filled throughout	None	360 min	360 min	2000 CSTB France
Firestop 1 Firestop 1 Click n Fix	200mm x 10mm PC Filled throughout	None	360 min	360 min	2000 CSTB France
Firestop 1 Firestop 1 Click n Fix	200mm x 30mm CC Filled throughout	None	120 min	120 min	2004 CSI 1125 RF Italy
Firestop 1 Firestop 1 Click n Fix	200mm x 10mm CC Filled throughout	None	180 min	180 min	2004 CSI 1125 RF Italy
Firestop 1 Firestop 1 Click n Fix	100mm x 10mm CC Filled throughout	None	90 min	90 min	2004 CSI 1125 RF Italy

Holdfast FR Product Tested	Wall/Width x Depth	Backing Material	Integrity	Heat Insulation	Test Done in
Firecryl FR	100mm / 20mm x 20mm CC	PE	>240 min	210 min	1999 Ghent
Firecryl FR	100mm / 11mm x 10mm CC	PE	>240 min	187 min	1999 Ghent
Firecryl FR	150mm / 20mm x 20mm PC	PU	298 min	180 min (Thermocouple failure)	2003 CSTB France
Firecryl FR	150mm / 10mm x 10mm PC	PU	>360 min	240 min (Thermocouple failure)	2003 CSTB France
Firecryl FR	200mm / 20mm x 20mm PC	PU	>360 min	>360 min	2003 CSTB France
Firecryl FR	100mm / 10mm x 10mm PC	PU	>360 min	>360 min	2003 CSTB France
Firecryl FR	200mm / 20mm x 20mm CC	PE	>180 min	>180 min	2004 CSI Italy
Firecryl FR	200mm / 10mm x 10mm CC	PE	>180 min	>180 min	2004 CSI Italy
Firecryl FR	100mm / 10mm x 10mm CC	PE	120 min	120 min	2004 CSI Italy



\*All sealants were tested double sided. For more information on products and test results please refer to the technical data, [www.holdfast.co.nz](http://www.holdfast.co.nz)

Holdfast FR Product Tested	Wall/Width x Depth	Backing Material	Integrity	Heat Insulation	Test Done in
Fireisel	200mm / 11mm x 10mm CC	PE	>240 min	>210 min	1999 Ghent
Fireisel	200mm / 30mm x 20mm CC	PE	225 min	225 min	1999 Ghent
Fireisel	100mm / 33mm x 20mm CC	PE	187 min	116 min	1999 Ghent
Fireisel	100mm / 11mm x 10mm CC	PE	202 min	146 min	1999 Ghent
Fireisel	150mm / 30mm x 20mm PC	PU	>360 min	180 min (Thermocouple failure)	2003 CSTB France
Fireisel	150mm / 10mm x 10mm PC	PU	>360 min	251 min 30 sec	2003 CSTB France
Fireisel	200mm / 30mm x 20mm PC	PU	>360 min	180 min (Thermocouple failure)	2003 CSTB France
Fireisel	200mm / 10mm x 10mm PC	PU	>360 min	>360 min	2003 CSTB France
Fireisel	200mm / 10mm x 10mm CC	PE	>180 min	>180 min	2004 CSI Italy
Fireisel	100mm / 10mm x 10mm CC	PE	>180min	>180min	2004 CSI Italy

Holdfast FR Product Tested	Wall/Width x Depth	Backing Material	Integrity	Heat Solution	Test Done in
FCC 210 FR	200mm / 20mm x 45mm	PE	>240 min	>240 min	1995 Ghent
Firecement HT	200mm / 10mm x 45mm	PE	120 min	120 min	1995 Ghent

FIRE DOORS				
Type of Door	Holdfast Product	Rf value in min	Benor/ATG Certificate	Test Done in
Bimex	Firestop 1 Trade	30 min	98/2229	1998 Ghent
Bruyzeel	Firestop 1 Click n Fix	30 min	00/2166	2000 Ghent
De Coene	Firestop 1 Click n Fix	30 min	02/1639	2002 Ghent
Theuma	Firestop 1 Trade	30 min	98/2274	1998 Ghent
General for fire doors	Firestop 1 Click n Fix	30 min	01/2287	2001 Ghent
Varmimetal Metal Doorframe	Firestop 1 Click n Fix	30 min	In finalization	2003 Ghent

WALL PENETRATION TESTS					
Holdfast FR Product tested	Type of Penetration	Wall Thickness	Integrity	Heat Insulation	Test Done in
Firecryl FR	160mm steel tube	200mm	>180 min	>180 min	2004 CSI Italy
Firecryl FR	20mm steel pipe	200mm	>180 min	>180 min	2004 CSI Italy
Firecryl FR	20mm steel pipe	100mm	>180 min	>180 min	2004 CSI Italy
Firecryl FR	20mm steel pipe	100mm	>180 min	>180 min	2004 CSI Italy

### APPROVALS

- General:** EN 1366-4 - Test Report 9297, University of Ghent
- UK:** BS476: Part20: 1987 - WFRFC N<sup>O</sup> C113610
- UK:** BS476: Part20: 1987 - WFRFC N<sup>O</sup> 139271 (sealants)
- France:** Rapport d'Essai RS00-067 (only Firestop 1)
- France:** Rapport d'Essai RS03-007 (sealants)
- Holland:** NEN 6069: 1997 - TNO Rapport 2000-CVB-R00703
- Belgium:** NBN 713.020 - Test Report 9297 - University of Ghent
- Australia:** WFRFA 45716 & 45717 to AS1530.4 and AS4072.1
- Italy:** CSI 1125 RF