

**BALL**



F. Ball and Co. Ltd.



# Flooring Installation PRODUCTS

A GREAT FINISH STARTS WITH F. BALL



F. Ball and Co. Ltd.

# WORLD CLASS PRODUCTS WITH BUILT IN QUALITY

F. Ball is a leading manufacturer of flooring adhesives and floor preparation products. Each product is designed to deliver best-in-class performance for the flooring contractor, while delivering 100% compatibility with both the subfloor and the floorcovering being installed. Even better, **F. Ball guarantees the ongoing performance of its products for the entire lifetime of the installation.**



**INNOVATIVE  
PRODUCT  
DEVELOPMENT**



**OVER  
135 YEARS OF  
EXPERIENCE**



**STATE-OF-THE  
ART PRODUCTION  
FACILITIES**



**EXPERT  
TECHNICAL  
SUPPORT**



## YOUR COMPLETE GUIDE TO FLOORING ADHESIVE SELECTION. GUARANTEED.



### RECOMMENDED ADHESIVES GUIDE®

The RAG® matches F. Ball adhesive products to more than 6,000 brand name floorcoverings from more than 200 leading international manufacturers. Each recommendation is approved and endorsed by the floorcovering manufacturer concerned. The RAG® is available as a printed guide and as an interactive tool, available at [www.f-ball.com/RAG](http://www.f-ball.com/RAG) and as a download for your phone or tablet so contractors can access information while on site. The online RAG® and App are updated throughout the year to ensure the latest recommendations are always accessible.



Scan the QR code to  
download the RAG® App



# FLOORING ADHESIVES







Secure your floorcovering with tried, tested and trusted Styccobond adhesives.

F. Ball's adhesives range includes products for practically every type of decorative floorcovering, including vinyl/LVT, textile and wood. Continuous investment in research and development enables the development of enhanced performance characteristics for existing products, as well as creating new formulations with revolutionary combinations of properties.

For floorcovering manufacturer's recommendations, please consult the latest F. Ball Recommended Adhesives Guide.

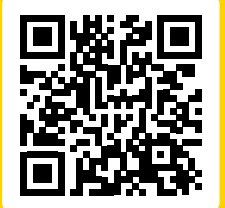


**Key:**

-  Marine Approved
-  Drying Time\* (minutes)
-  Pack Size
-  Open Time/Pot Life\* (minutes)
-  Shelf Life
-  Suitable for use over underfloor heating
-  Application

\*Dependent on application and site conditions

For more information, including technical data sheets, scan the QR code below



## CARPET & TEXTILE FLOORING ADHESIVES

A wide range of flooring adhesives designed to adhere carpet and textile floorcoverings.



### STYCCOBOND F3 Textile Flooring Adhesive

A water based textile flooring adhesive that has excellent wet grab with an early build up of strength. Suitable for use over normal underfloor heating installations.

General Use: For securing fibre-bonded carpets, hessian, felt, secondary latex and rubber foam-backed carpets, contract underlay and cork tiles up to 3.2mm thick.



- ✓ High initial grab
- ✓ Suitable for use over underfloor heating
- ✓ Can withstand wet cleaning
- ✓ Approved for marine use

**Coverage:**  
Up to 3m<sup>2</sup> per litre  
(V2 notched trowel)  
Up to 1.7m<sup>2</sup> per litre  
(V3 notched trowel)



### STYCCOBOND F40 High Tack Adhesive – Dual Bond System

A water based, pressure sensitive adhesive that dries to form a transparent, permanently tacky coating and should be used to provide a peelable bond for release underlays. It can also be used as a permanent or release bond adhesive when fixing carpets and carpet tiles. Suitable for use with underfloor heating installations.

General Use: Dual Bond System (High-Tack release/permanent) for carpet tiles and underlays.



- ✓ Permanently tacky when dry
- ✓ Suitable for use over underfloor heating
- ✓ Can withstand wet cleaning
- ✓ Approved for marine use

**Coverage:**  
Up to 4.5m<sup>2</sup> per litre  
(V1 notched trowel)

## RESILIENT FLOORING ADHESIVES

Flooring adhesives designed to adhere resilient floorcoverings such as Vinyl, LVT and Rubber.



### STYCCOBOND F44 Vinyl Adhesive

A solvent free acrylic adhesive which is designed to give a high bond strength, strong initial tack and a long open time.

General Use: Wet set adhesive for vinyl sheet and tiles, PVC backed carpets and acoustic underlay.



- ✓ High initial grab
- ✓ Long open time
- ✓ Can withstand wet cleaning
- ✓ Suitable for use over underfloor heating

**Coverage:**  
Up to 4.5m<sup>2</sup> per litre  
(V1 notched trowel)





## STYCCOBOND F48 PLUS

### High Temperature Fibre-Reinforced Vinyl Adhesive

A fibre-reinforced adhesive with high resistance to both heat and PVC plasticisers. For use in areas of high solar gain, such as conservatories and where floor to ceiling windows are installed.

General Use: Plasticised PVC and rubber floorcoverings in both sheet and tile form.



- ✓ High temperature tolerance
- ✓ Can withstand wet cleaning
- ✓ Suitable for use over underfloor heating
- ✓ Plasticiser resistant

**Coverage:**  
Up to 4.8m<sup>2</sup> per litre  
(V1 notched trowel)



## STYCCOBOND F49 HYBRID PS

### Pressure Sensitive Vinyl Adhesive

A two-part temperature tolerant, water-based pressure sensitive adhesive for bonding vinyl floorcoverings where temperatures can fluctuate between -20°C and +60°C.

General Use: Designed for use in areas where PVC floorcoverings have to be tolerant of extreme temperature variations.



- ✓ Tolerant to extreme temperatures
- ✓ Water resistant – suitable for wet rooms
- ✓ Fast build up of bond strength
- ✓ 7 hours working time\*

**Coverage:**  
6m<sup>2</sup> per kg  
(A1 trowel)

### For the installation of Skirting, Coving and Capping

Can be used as a single coat pressure sensitive impact adhesive for securing PVC edging and flexible PVC skirting, coving and capping as well as PVC and PVC backed textile floor and wall coverings.

- ✓ Single surface bonding
- ✓ High strength, high grab
- ✓ Suitable for vertical applications
- ✓ Rapid curing

**Coverage:** Up to 120 linear metres per 2kg (with a STYCCOBOND A1 notch Vinyl Spreader – supplied with kit)

\*3 hours pot life plus 4 hours open time



## STYCCOBOND F58

### Vinyl and Rubber Floorcovering Adhesive

A solvent free adhesive that can be used as a wet lay, semi-wet or pressure sensitive adhesive.

General Use: For securing PVC vinyl sheet and tile floorcoverings. When used as a wet lay adhesive, STYCCOBOND F58 is suitable for rubber sheet and tile floorcoverings up to 4mm thick.



- ✓ Use as a wet lay, semi-wet or PS adhesive
- ✓ Fast drying – install tiles from 10 minutes
- ✓ Up to 90 minutes open time
- ✓ Suitable with underfloor heating

**Coverage:**  
Up to 4m<sup>2</sup> per litre  
(V1 notched trowel)  
Up to 3m<sup>2</sup> per litre  
(V2 notched trowel)





## WOOD FLOORING ADHESIVES

Flooring adhesives specially formulated to adhere wooden flooring.



### STYCCOBOND B96 Flexible Wood Flooring Adhesive

A one part, flexible, moisture curing polyurethane adhesive. It is non-flammable and is quick setting to develop a high bond strength. General Use: Securing engineered boards (solid) and a wide range of parquet, plank and wood strip flooring.



- ✓ Flexible with high bond strength
- ✓ Quick setting
- ✓ Suitable with underfloor heating
- ✓ Isocyanate and solvent free

**Coverage:**  
Up to 900g per m<sup>2</sup>  
(B3 'V' notched trowel)  
Up to 1150g per m<sup>2</sup>  
(B11 'V' notched trowel)

### STYCCO FLEX Rapid Curing Flexible Adhesive

A rapid curing flexible adhesive with excellent gap filling properties that is suitable for bonding a wide range of construction and building materials to most surfaces in both internal and external environments.

General Use: Suitable for fixing carpet gripper, PVC cladding, skirting boards, architrave, trims and securing header rows when installing wood flooring. Stycco Flex can be used to install highly plasticised PVC flooring accessories and trims, including skirting, coving, capping and edging strips.



- ✓ Secure nosings from 1 hour
- ✓ Secure carpet gripper from 30 minutes
- ✓ Suitable for interior and exterior application

**Coverage:**  
38 linear metres  
at 3mm bead

# SMOOTHING & REPAIR COMPOUNDS

Create a smooth and level base for your floorcovering.

High-performance smoothing compounds for a range of general-purpose and specialist applications. Repair and finishing compounds help ensure a perfectly smooth subfloor finish to optimise the appearance of finished installations.



**Key:**



Marine Approved



Walk On Time



Pack Size



Mix With Water



Shelf Life



European Conformity

For more information, including technical data sheets, scan the QR code below





## STOPGAP RED BAG

### Water Mix Smoothing Compound

A self-smoothing compound suitable for preparing absorbent subfloors in light to medium-duty internal applications prior to the installation of new floorcoverings.

General Use: Areas subject to foot and light wheeled traffic and can be used over normal underfloor heating installations.



- ✓ Application thickness from 3 – 10mm
- ✓ Self-smoothing properties
- ✓ Protein free

**Coverage:**  
3.8m<sup>2</sup> at 3mm thickness



## STOPGAP 400 REPAIR

### Rapid Hardening Repair Compound

A protein free, water mix compound designed for repairing and making good internal floors, steps and stairs.

General Use: It is slump resistant and rapid hardening making it ideal for creating ramps and coving. It can be trowelled to a feathered-edge and used in conjunction with Stopgap Graded Aggregate for greater thickness.



- ✓ Application thickness from 2 – 20mm (unfilled)
- ✓ Application thickness from 20 – 50mm (filled)
- ✓ Ramps and covings can be repaired
- ✓ Can be trowelled to a feathered edge

**Coverage:**  
2.1m<sup>2</sup> at 3mm thickness per 10kg unit



## STOPGAP 500 MICRO

### Floor Finishing Compound

A fast drying floor finishing compound. Stopgap 500 will provide a uniform surface, free from imperfections.

General Use: Suitable for light to medium traffic areas. Water mix, it requires no priming and can be trowel applied to form a feathered edge finish.



- ✓ Suitable over plywood joints
- ✓ Protein free
- ✓ Low odour

**Coverage:**  
37.5m<sup>2</sup> Micro-Coat per 8kg unit



## STOPGAP 600

### Deep Section Base Compound

A water mix, base compound designed for use where floor levels need to be raised quickly and economically.

General Use: Designed for application up to a maximum of 75mm and a minimum of 5mm, to provide a sound base.



- ✓ Thickness from 5 – 75mm in one application
- ✓ Suitable for hand or pump application
- ✓ Low odour
- ✓ Protein free

**Coverage:**  
2.8m<sup>2</sup> at 5mm thickness





## STOPGAP 1500

### High Performance Smoothing Compound

A fast-setting, fast-drying water mix smoothing compound. It offers excellent self-smoothing properties and its moisture tolerant formulation means it can be used under Stopgap waterproof surface membranes.

General Use: It is particularly useful over old adhesive residues (including bitumen and carpet tile tackifiers) without the need for priming.



- ✓ Application thickness from 2 – 10mm
  - ✓ Can be filled up to 30mm
  - ✓ Suitable direct to adhesive residues
  - ✓ Bond floorcoverings from 4 hours
- Coverage:**  
5m<sup>2</sup> at 2 – 3mm thickness



## STOPGAP 1600

### Fibre-Reinforced Smoothing Compound

A fibre-reinforced smoothing compound designed for new or existing internal floor refurbishments in both domestic and commercial environments, prior to the installation of new floorcoverings.

General Use: Suitable for use over both electrical wired and water-fed underfloor heating and cooling systems.



- ✓ Application thickness from 3 – 40mm
  - ✓ Lay floorcoverings from 12 hours
  - ✓ Use over electric and water-fed underfloor heating systems
- Coverage:**  
3.7m<sup>2</sup> at 3mm thickness



	SMOOTHING COMPOUNDS				REPAIR AND FINISHING COMPOUNDS			
	STOPGAP RED BAG	STOPGAP 600 <sup>(1)</sup>	STOPGAP 1500	STOPGAP 1600	STOPGAP 400 REPAIR	STOPGAP 500 MICRO		
	+ WATER	+ WATER	+ WATER	+ WATER	+ WATER	+ WATER		
Product Features	Self-smoothing Economy	Thick Section Fast Drying	Rapid Drying Self-smoothing *	Fibre-reinforced Fast Drying	Slump Free Rapid Drying	Feather Edge Fast Drying		
Working Time at 20°C (min)	15 – 25	20 – 30	15 – 20	15 – 20	10 – 15	15 – 20		
Time to Foot Traffic at 20°C – approx (hrs/min)	3hrs	3hrs	60min	3hrs	20 – 30min	25min Micro-Coat		
Time to cover with a floorcovering or seal – approx (Hours)	Absorbent	24	6 – 24 <sup>(1)</sup>	4	1 ½ @ 2mm	25min Micro-Coat		
	Non-absorbent	n/a						
Application Thickness	Unfilled	Min (mm)	3	5	2 – 3	3	2 – 3	Micro-Coat
		Max (mm)	10	75	10	40	20	1
	Can be Filled	Up to 15mm	No	Up to 30mm	No	Up to 50mm	No	
Suitable for Biologically Sensitive Areas	Yes	Yes	Yes	Yes	Yes	Yes		
Coverage m <sup>2</sup> per unit	3.8 @ 3mm	2.8 @ 5mm	5.0 @ 2 – 3mm	3.7 @ 3mm	n/a	n/a		
Suitable for Pump Application	Yes	Yes	Yes	Yes	No	No		
Suitable for High Temperature areas e.g. conservatories	No	Yes	Yes	Yes	Yes	No		
Compressive Strength 28 Day (N/mm <sup>2</sup> )	30	30	16	25	30	16		
Flexural Strength 28 Day (N/mm <sup>2</sup> )	5	7	6	6	4	6		
EN 13813 Class / EN 1504-3 Class	CT-C25-F5	CT-C30-F7	CT-C16-F6	CT-C25-F6	CT-C30-F4	CT-C16-F6		
<b>SUBFLOOR SUITABILITY + PRIMER RECOMMENDATION</b>								
TYPE	Concrete, Autoclaved Aerated Concrete and Other Solid Absorbent Surfaces	Dilute P131	Dilute P131	Apply Direct or Dilute P131 <sup>(2)</sup>	Dilute P131	Apply Direct to Damp Surface or Dilute P131	Apply Direct	
	Non-absorbent Surfaces e.g. Terrazzo, Ceramic Tiles	n/a	Neat P141	Apply Direct	Neat P141	Neat P131 or Neat P141	n/a	
	Power Floated Concrete (shot blasted)	n/a	Dilute P131	Apply Direct or Dilute P131 <sup>(2)</sup>	Neat P141	Apply Direct	n/a	
	Minimal Adhesive Residues on solid base	n/a	Neat P131	Apply Direct	Neat P131	Neat P131	n/a	
	STOPGAP F77 (F78 see <sup>(3)</sup> )	n/a	Neat P141	Apply Direct <sup>(4)</sup>	Neat P141	Neat P141	n/a	
	Steel (non-flexing, corrosion free and clean)	n/a	Neat P141	Apply Direct	Neat P141	n/a	n/a	
	Plywood Overlays	n/a	n/a	n/a	n/a	n/a	Apply Direct	

THIS CHART IS FOR REFERENCE ONLY. ALWAYS REFER TO THE CURRENT TECHNICAL DATA SHEET, SUBFLOOR PREPARATION GUIDE AND/OR OUR TECHNICAL SERVICE DEPARTMENT FOR SPECIFIC GUIDANCE.

<sup>(1)</sup> STOPGAP 600 is designed to be used in conjunction with STOPGAP 1500.

Time to cover is therefore dependent on combination used.

<sup>(2)</sup> At least 75% of the subfloor must be exposed and sound.

<sup>(3)</sup> In certain situations priming may not be necessary, for example, when installing textile floorcoverings. However, we would recommend priming with STOPGAP P131 diluted to 4:1 with water to prevent uncontrolled drying of the compound, pin-holing and to aid the flow and workability.

<sup>(4)</sup> Within 24 hours and when not used in conjunction with Underfloor Heating.

<sup>(5)</sup> STOPGAP F78 Waterproof Surface Membrane does not require priming (within 12 hours of application) refer to Product Data Sheet or Technical Service.

<sup>(6)</sup> Please refer to the Stopgap P121 Product Data Sheet for the correct Mixing and Application method.

\* STOPGAP 1500 has been tested in accordance with and approved for use in marine application.

n/a = not applicable or not recommended.



# DAMP OR CONTAMINATED FLOOR SOLUTIONS

Trapped moisture underneath floorcoverings can cause blisters or even failure of the adhesive and floorcoverings

F. Ball's high performance waterproof surface membranes provide a critical layer of protection, acting as a barrier between the subfloor and your choice of flooring product.



**Key:**



Drying Time\* (minutes)



Pack Size



Open Time\* (minutes)



Shelf Life



European Conformity



Suitable for use over underfloor heating



TROWEL



ROLLER



BRUSH

Application

\*Dependent on application and site conditions

For more information, including technical data sheets, scan the QR code below





## STOPGAP F77

### High Performance Waterproof Surface Membrane

#### One Coat Application System

A solvent free two part epoxy resin system which cures to provide a waterproof surface membrane.

General Use: It can be used to isolate residual construction moisture where relative humidity values are up to 98% or when there is no effective integral DPM and applied directly over underfloor heating screed with RH readings up to 90%.



- ✓ Use up to 98% RH with a single coat
- ✓ Colour pigmented to aid coverage uniformity
- ✓ Suitable for use over underfloor heating using a coverage of 1.8m<sup>2</sup>/kg where readings are up to 90% RH

#### Coverage:

1.8m<sup>2</sup>/kg  
(applications up to 98% RH)  
1.8m<sup>2</sup>/kg  
(applications with underfloor heating up to 90% RH)  
2.5m<sup>2</sup>/kg  
(applications up to 85% RH)



## STOPGAP F78

### High Performance Waterproof Surface Membrane

#### Two Coat Application System

A solvent free, one component, ready to use system which dries rapidly to provide a waterproof surface membrane.

General Use: STOPGAP F78 must be applied in two coats and can be used to isolate residual construction moisture where relative humidity values are up to 95%.



- ✓ Use up to 95% RH – two coat application
- ✓ Colour pigmented to aid coverage uniformity
- ✓ No mixing required
- ✓ Can be resealed and stored for future use

#### Coverage:

3.3m<sup>2</sup>/kg as a two coat application  
(applications up to 95% RH)

Whether the result of rising damp or residual construction moisture, unmanaged subfloor moisture can attack adhesives and floorcoverings and lead to tenting or gapping. It is still, by far, the leading cause of floor failure.



# PRIMERS & CLEANERS

Make sure you're primed and ready.

Priming can help to prevent 'pinholing'. These are small holes in the smoothing compound that have the appearance of pinholes or blisters, caused by the slow escape of air from absorbent surfaces as the smoothing compound dries.

If an adhesive or smoothing compound dries too quickly they may not achieve the desired bond strength required. Priming also aids workability of the compound to maximise product flow/working time.



**Key:**



Drying Time\* (minutes)



Pack Size



Open Time\* (minutes)



Shelf Life



Suitable for use over underfloor heating



**TROWEL ROLLER BRUSH**  
Application

\*Dependent on application and site conditions

For more information, including technical data sheets, scan the QR code below





## STOPGAP PI31

### General Purpose Primer

Neoprene emulsion primer designed to prevent rapid drying of adhesives and smoothing compounds.

General Use: To promote adhesion of Stopgap smoothing compounds to both absorbent and non-absorbent surfaces.



- ✓ Suitable for use with F. Ball marine applications
- ✓ Pigmented to provide coverage control
- ✓ Prevents the rapid drying of adhesives and smoothing compounds

**Coverage:**  
20m<sup>2</sup> – 35m<sup>2</sup> per litre  
(when diluted with water\*)  
10m<sup>2</sup> per litre (neat)  
\*Refer to technical data sheet



## STOPGAP PI41

### Primer For Non-Absorbent Surfaces

An acrylic primer designed to provide a textured surface, to provide increased adhesion to floor smoothing compounds.

General Use: To promote adhesion of Stopgap smoothing compounds to non-absorbent surfaces.



- ✓ Textured surface for increase adhesion
- ✓ Fast Drying
- ✓ Increased Coverage
- ✓ Pigmented to provide coverage control

**Coverage:**  
Up to 13m<sup>2</sup> per litre  
(neat)



## STOPGAP FILL AND PRIME

### Flexible Cement Based Primer Two Component

Designed to have a thixotropic consistency which enables joints up to 4mm to be filled in raised access panels. Applied up to a thickness of 1mm, it sets rapidly and is ready to receive foot traffic in as little as 60 minutes. Once cured, the flexible nature of the product will accommodate movement within the substrate.

General Use: Suitable for use over raised access panels and substrates with well bonded, waterproof residues of adhesives prior to the direct application of Stopgap I500. It may also be used to smooth out uneven tongue and groove floorboards prior to over boarding with plywood.



- ✓ Fast drying
- ✓ Excellent flexibility
- ✓ Thixotropic – fill joints up to 4mm wide

**Coverage:**  
Up to 8.5m<sup>2</sup> at  
0.5mm thickness

## CLEANERS



## STYCCOCLEAN CI40

### Floor Cleaner

Concentrated alkaline liquid detergent for the removal of grease, oil and some adhesive. Can also be used to strip emulsion based polish from floorcoverings.

General Use: Asphalt, tarmac, concrete, sand/cement screed, granolithic, ceramic, quarry tiles and terrazzo.



- ✓ Cleans a wide range of contaminants
- ✓ Suitable for use on a wide variety of floorcoverings



## STYCCO-WIPES

### Multi-Purpose Industrial Strength Cleaning Wipes (100 Wipes)

Stycco-Wipes enhanced anti-bacterial formulation easily removes bacteria from hands and tools. Effective against MRSA, Salmonella, Listeria and E.Coli. Tested by independent laboratory to BS EN 12054 and BS 1276 standards.

General Use: Stycco-Wipes are specially formulated to remove adhesive, sealants, oil, grease, lacquer, tar bitumen, wet paint and more from hands and tools.

# CASE STUDIES

F. Ball products are used extensively in the installation of floorcoverings across a wide range of market sectors.



## GLENWOOD HIGH SCHOOL

F. Ball Products Make the Grade at Sydney High School.

F. Ball products were used to meet exacting subfloor preparation standards required ahead of the installation of a sprung dance floor in a performing arts centre in Sydney, Australia.

Contractors from Sydney-based Symmetry Flooring prepared the concrete subfloor before installing Harlequin flooring at Glenwood High School.

To meet the precise standards, the substrate needed to be level within a tolerance of 5mm over 5m. This was achieved by scraping away material from the surface and vacuuming away dust and debris, with a laser level used to check the floor height. Afterwards, the subfloor was primed with Stopgap PI31 general-purpose primer to promote the application characteristics of a subsequently applied smoothing compound.

Heavy-duty smoothing compound was then applied at a thickness of up to 15mm over the 270m<sup>2</sup> area to create a perfectly smooth and level surface. Gauging pins were used to ensure the same level of smoothing compound throughout the entire area.

Contractors then installed Harlequin Flexity sprung dance flooring. Stycobond F44 was then used to adhere flooring on to the surface, in accordance with F. Ball's Recommended Adhesives Guide (RAG®).

## THE BRITISH LIBRARY

F. Ball's Stopgap Fill and Prime in The British Library's good books.

F. Ball products have been used as part of the refurbishment of Grade I listed building, The British Library.

Contractors had to install 800m<sup>2</sup> of flooring in the second largest library in the world.

When contractors arrived on the site, the old floorcoverings had already been taken up. Stopgap Fill and Prime was selected to fill in the gaps between the raised access panels and create a smooth, even, and primed subfloor.

Stycobond F40 high tack dual bond adhesive was used to adhere the carpet in the library.

“ Stycobond F40 high tack dual bond adhesive, with its ability to provide a peelable bond for release underlays, was used to adhere the carpet in the library. ”



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