



# STYCCOBOND F49 HYBRID PS

## Pressure Sensitive Adhesive

For use with vinyl floorcoverings and installing skirting, coving and capping

## PRODUCT DATA

### INTRODUCTION

STYCCOBOND F49 HYBRID PS is a temperature tolerant, water-based pressure sensitive adhesive that can be used for installing:

- Vinyl floorcoverings
- Skirting, coving and capping
- PVC edgings
- PVC backed textile floor and wall coverings

It is designed for use in conservatories, areas where floor to ceiling windows are installed and other areas where floorcoverings have to be tolerant of extreme temperature variations. It gives a strong initial tack and high bond strength.

The mixing of the two unique components maximises the high strength of the adhesive and makes it suitable for use in service conditions where temperatures can fluctuate between -20°C and +60°C, in accordance with floorcovering manufacturers' recommendations. It is protected against bio-degradation and is suitable for use over normal underfloor heating systems.

STYCCOBOND F49 HYBRID PS provides an extremely strong water resistant bond enabling application in areas subject to water/high humidity when used in conjunction with a suitable STOPGAP smoothing underlayment.

Outstanding plasticiser resistance ensures STYCCOBOND F49 HYBRID PS can be used for securing highly plasticised flooring accessories and trims. The high final bond strength ensures optimum dimensional stability throughout the lifetime of the installation.

STYCCOBOND F49 HYBRID PS can be used for securing a wide range of PVC floorcoverings in both tile and sheet format. When installing sheet floorcoverings, install while the adhesive is wet; the subfloor must be absorbent to allow drying of the adhesive. See the F. Ball Recommended Adhesives Guide for details of specific floorcoverings.

It can be applied to structurally sound, smooth, dry subfloors of concrete and sand/cement screed, calcium sulphate, STOPGAP smoothing underlayments and plywood. Sound flooring grade asphalt must be skimmed with a minimum of 3mm and a maximum 6mm of the appropriate STOPGAP smoothing underlayment.

STYCCOBOND F49 HYBRID PS can be applied directly to STOPGAP epoxy waterproof surface membranes and other non-absorbent subfloors where the surface finish is smooth enough to permit the installation of resilient floorcoverings. On non-absorbent surfaces the adhesive should be allowed to dry to a clear, tacky consistency before installing the floorcovering. For details on other subfloors contact our Technical Service Department.



STYCCOBOND F49 has been tested to the standards of the International Maritime Organisation and approved for use in marine floor installations.



### FEATURES

- Temperature tolerant: use in ambient temperatures -20°C to +60°C
- High strength and high grab
- Rapid curing
- Excellent dimensional stability
- Long open time once mixed
- Long pot life
- Water resistant - suitable for wet room environments
- Excellent plasticiser resistance
- Easy to apply
- Approved for marine use
- Approved for skirting, coving and capping
- Single surface bonding
- Low hazard - suitable for sensitive areas



## INSTALLATION OF FLOORCOVERINGS

### SURFACE PREPARATION

Proper subfloor preparation is essential for the correct installation of any floorcovering. Subfloors must be structurally sound, smooth, dry (<75% RH) and free from laitance and any contaminants which will affect adhesion. Use STYCCOCLEAN CI40 for removing grease, oil, polish, soap etc. from non-absorbent substrates.

Concrete and sand/cement screeds must be fully cured and any laitance or surface treatments must be removed. The temperature of the floor must be maintained above 10°C throughout the application and drying of the adhesive. Underfloor heating must be off for at least 48 hours before, during and after application.

For detailed information, request the F. Ball Subfloor Preparation Guide.

### DAMP SUBFLOORS

The Relative Humidity (RH) of the subfloor can be measured using the F. Ball Digital Hygrometer. Where the RH value is greater than 75% the appropriate STOPGAP waterproof surface membrane should be applied.

### SMOOTHING

To ensure a level surface on which to adhere to, uneven and irregular surfaces should be suitably prepared using the appropriate STOPGAP smoothing underlayments.

### MIXING - Mix only in full packs as ratios are critical

Empty all the contents of the PS ACTIVATOR container into the BASE container. Use a power whisk fitted to a slow-speed electric drill, until a uniform colour and consistency is achieved. **Mix for 2 minutes, scrape the sides of the container and then mix for a further 2-3 minutes. Insufficient or poor mixing will impair the performance of the adhesive.**

### ADHESIVE APPLICATION

Holding the trowel at an angle of 60°, spread the adhesive evenly over the subfloor. Allow the adhesive to dry to a tacky film before installing the flooring.

Following the floorcovering manufacturer's laying instructions, lay the floorcovering into the adhesive and press from the centre outwards to exclude air and ensure overall contact with the adhesive. Roll with a 68kg flooring roller from end to end and side to side. Re-roll as necessary to ensure overall contact is maintained.

Note: The drying time of the adhesive will be extended at lower temperatures. A fan will reduce the drying time considerably. Care should be taken not to contaminate the drying adhesive film with building dust or debris as this can affect adhesion properties and mirror through the finished floorcovering.

### PRECAUTIONS

Do not apply loads or move furniture on the floorcovering until the adhesive has fully set. To maximise open time, we would recommend the provision of shading in areas such as conservatories to prevent direct sunlight causing excessive drying of the adhesive.

It is important to maintain stable, ambient temperature conditions within the first 24 hours of installation. Extremes of temperature can occur between the day and the night times. South facing windows and all conservatory windows should be shaded to minimise daytime fluctuations. Supplementary heating systems (not underfloor heating) should, when necessary, be left on overnight to achieve a constant temperature similar to that of the daytime. The temperature needs to be maintained prior to, during and for at least 24 hours after the installation is completed to allow the adhesive to cure so as to minimise any movement within the floorcovering caused by significant temperature changes.

Floorcoverings must be properly acclimatised in accordance with the manufacturer's instructions before use.

### TOOLS

STYCCOBOND FINE NOTCH (A1) trowel for floorcoverings, STYCCOBOND PLASTIC SPREADER for skirting, coving and capping, F. Ball 68kg flooring roller, trimming knife. Tools should be cleaned with STYCCO-WIPES or warm soapy water while the adhesive is still wet.

### PACKAGES

2kg and 5kg kit  
The BASE and PS ACTIVATOR are supplied in the correct quantities for mixing without measuring.

### STORAGE

Store between 5°C and 30°C.  
Protect from frost.

### SHELF LIFE

18 months in unopened containers stored under good conditions.

### STANDARDS

All aspects of the installation of floorcoverings should be in accordance with the requirements of the relevant British Standard Code of Practice i.e. BS 8203 (Installation of resilient floorcoverings) and supplementary specifications.

### HEALTH AND SAFETY ADVICE

This product is classified. Obtain the relevant Safety Data Sheets and follow the advice given.

These can be found at [www.f-ball.com](http://www.f-ball.com) alternatively these can be obtained from the point of purchase or from F. Ball and Co. Ltd. at the address below.

Site conditions vary, to ensure this product is suitable and to confirm this data sheet is current please contact our Technical Service Department.

### HOW MUCH MATERIAL?

PACK SIZE	TROWEL SIZE	COVERAGE PER UNIT
2 kg	Fine Notch (A1)	Up to 12m <sup>2</sup>
5 kg	Fine Notch (A1)	Up to 30m <sup>2</sup>

Note: Coverage rates are for guidance purposes only and will vary according to the condition of the subfloor.

## INSTALLATION OF SKIRTING, COVING AND CAPPING

STYCCOBOND F49 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.

STYCCOBOND F49 can be applied to one surface and the high grab properties make it particularly suitable for use on stairs, steps and vertical surfaces.

STYCCOBOND F49 can be applied to STOPGAP smoothing underlayments, sound, smooth, clean, dry surfaces of concrete, sand/cement render, granolithic, terrazzo, plaster, plasterboard, flooring grade chipboard, plywood, MDF and hardboard.

When allowed to dry to a clear tacky film, STYCCOBOND F49 can be used to bond two non-absorbent surfaces making it suitable for bonding PVC to PVC.

For details on other surfaces, contact our Technical Service Department.

### SURFACE PREPARATION

Proper surface preparation is essential for the correct installation of any floor or wallcovering. Surfaces must be sound, smooth, dry (<75% RH) and free from laitance, dust and any contaminants which will affect adhesion.

Wall surfaces must be free from any previous coverings or linings and the adhesives used to fix them. Paint films must be removed. Any mould must be removed and the affected surface treated with a copper free fungicidal wash.

All surfaces must incorporate adequate damp proofing, i.e. a DPC in walls and a DPM in floors.

We would strongly recommend the surface of all coving, trims and skirtings to be bonded are cleaned with STYCCO-WIPES and dried with a lint free clean cloth prior to installation. This will ensure all forms of contamination such as release oils, which may impair adhesion, will be removed.

### ADHESIVE APPLICATION

#### Absorbent Surfaces

Spread the adhesive evenly using the STYCCOBOND Spreader or STYCCOBOND Fine Notch (A1) trowel over the surface where the floor or wall covering is to be installed. It is possible to lay the covering directly into the wet adhesive on an absorbent substrate. However, it is advisable to allow the adhesive to dry for 20 minutes to provide grab and on vertical surfaces, to prevent slip.

During the early stages of drying (up to 20 minutes), it is possible to reposition skirting, coving and capping without impairing the bond. However, once dried to a clear film, the repositioning of coverings should not be undertaken as STYCCOBOND F49 forms an instant bond.



### HOW MUCH MATERIAL?

PACK SIZE	TROWEL SIZE	COVERAGE PER UNIT
2 kg	Styccobond Spreader	Up to 120 linear metres
5 kg	Styccobond Spreader	Up to 300 linear metres

Note: Coverage rates are for guidance purposes only and will vary according to the condition of the subfloor.

## Non-Absorbent Surfaces

Spread the adhesive evenly using the STYCCOBOND Spreader over the surface where the floor or wall covering is to be installed and allow to fully dry to a clear film – typically 30 minutes at 20°C.

It is possible to force dry the adhesive using a fan. Place the covering into the dried film and press firmly into place noting repositioning of coverings should not be undertaken as STYCCOBOND F49 will form an instant bond.

When applying STYCCOBOND F49 to cove formers, it is advisable to use a paint brush ensuring coverage rates are adequate.

Roll floorcoverings with a suitable hand roller and apply pressure to wall coverings, skirtings, covings and capping strips using a suitable hand roller, cloth or a spatula.

## PRECAUTIONS

When installing capping strips around external corners, it is advisable to use a double stick method to prevent any tension in the capping strip impairing the bond.

Apply the adhesive to the wall surface with the STYCCOBOND Spreader, clean the capping strip and coat the back approximately 75mm either side of the corner. Allow both surfaces to dry. Offer the strip to the wall and press firmly to ensure overall contact is maintained. Note: an instant bond will be achieved and the strip should not be removed or repositioned.

Underfloor heating must be switched off at least 48 hours before, during and after installation.

It is important to maintain stable, ambient temperature conditions within the first 24 hours of installation. Extremes of temperature can occur between the day and the night times. The temperature needs to be maintained prior to, during and for at least 24 hours after the installation is completed to allow the adhesive to cure so as to minimise any movement within the floor or wall covering caused by significant temperature changes.

All floorcoverings, wall coverings and trims must be acclimatised before commencing installation in accordance with manufacturers instructions.

## TECHNICAL INFORMATION

Colour	Base	White
	Activator	Red
	Mixed	Light Pink
Coverage Rate (Approx.)	Up to 6m <sup>2</sup> per kg using a STYCCOBOND FINE NOTCH (A1) trowel	
	30 linear metres of 100mm wide skirting per 500g when applied with a STYCCOBOND Spreader	
Pot Life* (mixed) at 20°C	Up to 3 hours	
Open Time (Approx.)	Up to 4 hours depending on the temperature	
Drying Time (Approx.)	From 20 minutes depending on temperature, humidity and absorbency of the subfloor	

\*Replace lid when not being used to prevent skinning.

For further information about F. Ball products or more detailed technical assistance, please contact:



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