



STYCCOBOND F49 HYBRID PS

PRESSURE SENSITIVE VINYL ADHESIVE

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

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 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 compound.

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, autoclaved aerated concrete, fibre cement sheet conforming to AS/NZS 2908.2, HP MDP conforming to AS/NZS1859.2, Hardboard underlay conforming to AS/NZS 21854.9, Plywood underlay grade C conforming to AS/NZS 2269.0.

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.

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
- Suitable with underfloor heating

STANDARDS

All aspects of the installation of floorcoverings should be in accordance with the current Australian Standard, AS 1884:2021 Floorcoverings - Resilient Sheet and tiles - Installation practices.

SCAN QR CODE
TO VIEW PRODUCT DEMO VIDEO



INSTALLATION OF FLOORCOVERINGS

SURFACE PREPARATION

Proper subfloor preparation is essential for the correct installation of any floorcovering. Subfloors must be structurally sound, smooth, dry and free from laitance and any contaminants which will affect adhesion. Use STYCCOCLEAN C140 for removing grease, oil, polish, soap etc. from non-absorbent substrates.

Concrete must be fully cured and any laitance or surface treatments must be removed. The temperature of the floor must be maintained between a minimum of 10°C and a maximum of 28°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

All concrete subfloors must be tested for moisture content ensuring the reading is below 85% in accordance with ASTM F2170 insitu probe method.

Where the value is greater than 85%RH, 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 compounds.

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 reduced at higher 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 exposed to direct sunlight causing excessive drying of the adhesive.

It is important to maintain stable, ambient conditions 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.

Temperatures in excess of 20°C will reduce the open time of the adhesive.

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

COVERAGE

| PACK SIZE | TROWEL SIZE | COVERAGE PER UNIT |
|-----------|-----------------|------------------------|
| 2kg | Fine Notch (A1) | Up to 12m ² |
| 5kg | Fine Notch (A1) | Up to 30m ² |

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

STANDARDS CONTINUED

Tested in accordance with IMO FTP Code procedures, STYCCOBOND F49 HYBRID PS is in compliance with the Merchant Shipping (Marine Equipment) Regulations 2016, S.I. 2016/1025, and the Marine Equipment Directive 2014/90/EU, and approved for use as an adhesive for flooring



2812/See date of manufacture
164.112/ER02812/MED0496



1121/See date of manufacture
164.112/1121/WCL MER0496

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

PACK SIZE

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

HEALTH & SAFETY

This product is classified. Relevant safety data sheets and advice given can be found at 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.

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 compounds, sound, smooth, clean, dry surfaces of concrete, autoclaved aerated concrete, fibre cement sheet conforming to AS/NZS 2908.2, HP MDF conforming to AS/NZS 1859.2, Hardboard underlay conforming to AS/NZS 21854.9, Plywood underlay grade C conforming to AS/NZS 2269.0, plaster and plasterboard.

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 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.

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.

HOW MUCH MATERIAL?

| PACK SIZE | TROWEL SIZE | COVERAGE PER UNIT |
|-----------|---------------------|-------------------------|
| 2kg | STYCCOBOND Spreader | Up to 120 linear metres |
| 5kg | 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.

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 ² 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 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.



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RECOMMENDATIONS**

**FOR FURTHER INFORMATION
ABOUT F. BALL PRODUCTS OR
MORE DETAILED TECHNICAL
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