



# STYCCO FLEX

## Rapid Curing Flexible Adhesive

### PRODUCT DATA

#### INTRODUCTION

**STYCCO FLEX** is 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.

STYCCO FLEX is suitable for fixing stair nosings without the need for mechanical fixing to suitably sound substrates. It is also suitable for bonding carpet gripper, uPVC cladding, skirting boards, architrave and trims. It can also be used to secure header rows when installing wood flooring.

STYCCO FLEX has outstanding plasticiser resistance and combined with the high bond strength and excellent dimensional stability, enables it to be used to secure highly plasticised PVC flooring accessories and trims including skirting, coving, capping and edging strips.

#### SURFACE PREPARATION

Before application ensure that all surfaces are smooth, sound, clean and free of laitance, dust and contamination. If a levelling compound or repair mortar is required ensure that the manufacturer's instructions are followed to ensure the material is ready to provide a strong surface.

The product to be adhered should also be clean and free from contamination such as oil, grease etc that may impair adhesion.

#### TECHNICAL INFORMATION

Colour	White
Consistency	Paste
Open Time @ 23°C and 50% RH	10 - 15 minutes
Skin Formation	15 minutes
Cure Rate	2.4mm per 24 hour
Specific Gravity	1.74
Shore A Hardness:	76±5
Tensile Strength	≥ 2.5 N/mm <sup>2</sup>



#### FEATURES

- One component, ready to use
- Secure nosings from 1 hour
- Secure carpet gripper from 30 minutes
- High initial grab
- Fast curing
- Rapid build up of bond strength
- Suitable for interior and exterior application - waterproof
- Approved for skirting, coving and capping

#### STANDARDS

Conditions must comply with the relevant British Standard.

#### PACKAGES

290ml cartridge  
12 cartridges per carton

#### HOW MUCH MATERIAL?

PACK SIZE	BEAD DIAMETER	COVERAGE PER UNIT
290ml	3mm	38 linear metres
290ml	5mm	14 linear metres

Note: Coverage rates will depend on the condition and absorbency of the substrate.

## APPLICATION

### Absorbent Surfaces

The adhesive should be applied in straight lines\* (parallel to the nosing or item being adhered) by means of a suitable applicator gun. Fix nozzle and cut the aperture to the required width dependant on application. Apply the adhesive to one surface only and then press the two surfaces together within the open time of the adhesive.

The high initial grab and rapid strength gain will generally mean that no mechanical fixings are required but in certain applications i.e. overhead or vertical applications, it is advisable to use a temporary support until the adhesive has fully cured or depending on the item being adhered, mechanical fixing may be recommended.

In the case of fixing nosings to an absorbent surface, apply the adhesive to the underside of the profile in 5mm wide linear beads beginning 5mm in from the outer edge of the profile. A second bead should be applied in the centre of the profile. If the nosing is 'double channelled' a third bead of adhesive will be required approximately 10mm from the inside edge.

Place the profile so that the leading edge is overlapping the edge of the step and press down whilst sliding the profile into place. Press down firmly to ensure a full bond.

Allow approximately 1 hour after fixing before opening the area to traffic however the installation should be checked to ensure the bond is sufficiently secure before opening the area.

When fitting ridged nosings it is recommended that the thickness of the beads is increased to 8mm to ensure full adhesion.

### Non-Absorbent Surfaces

When bonding metal nosings to metal substrates or suitably smooth non-absorbent surfaces, to aid the speed of through cure, first dampen or mist the area with water – do not leave standing water on the surface.

Mist the nosing before applying 3 x 3mm linear beads as described above and place the profile so that the leading edge is overlapping the edge of the step and press down whilst sliding the profile into place. Press down firmly to ensure a full bond.

For double channelled nosings, apply 4 x 3mm linear beads to ensure full adhesion.

This method will accelerate the cure time of the adhesive and allow the area to be opened after a minimum 2 hours, however the bond strength should be checked to ensure it is safe to open.

When applying ridged nosings, do not reduce the bead thickness and allow extra time for the material to cure – typically 24 hours.

For beads greater than 5mm in thickness or when bonding two non-absorbent surfaces that are not dampened, the cure and trafficking time will be extended.

### Installation of PVC Skirting, Coving, Trims and Capping

Apply sufficient adhesive to the accessory to be installed or substrate surface and spread evenly with a fine notch (A1) spreader to ensure 100% coverage. Press firmly into place within the open time of the adhesive and allow to cure.

## CLEANING

Remove any excess wet adhesive from surfaces using F. Ball STYCCOWIPES.

## PRECAUTIONS

STYCCO FLEX is not suitable for use on bitumen, asphalt, polyethylene and polypropylene surfaces.

\*Do not snake / zig zag the adhesive beads, as this can significantly reduce bond strengths – always apply in straight (linear) beads.

Thicker beads take longer to cure, however always ensure sufficient material is applied relative to the installation being undertaken.

Where nosings are installed without additional mechanical fixing, always check the bond is secure before opening the area to traffic.

## TOOLS

Heavy Duty Applicator Gun.

## STORAGE

Store between 5°C and 25°C.  
Protect from frost.

## SHELF LIFE

18 months in unopened cartridges stored under good conditions.

## HEALTH AND SAFETY ADVICE

This product is not 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 that this product is suitable and confirm that this data sheet is current, please contact our Technical Service Department.

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



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