

STYCCOBOND F3 - Flooring Adhesive

TYPE - A rubber/resin adhesive designed to give a good wet grab and an early build-up of strength with some retained tack. It is non-flammable, protected against bio-degradation, will withstand normal wet cleaning techniques and is suitable for use over normal underfloor heating installations.

It may be used on sound, smooth, dry subfloors of concrete; granolithic; sand/cement screeds; **STOPGAP** and other floor smoothing underlayments; terrazzo; flooring grade chipboard, plywood and hardboard; wood; thermoplastic and quarry tiles. Asphalt and **STOPGAP** surface waterproof membranes must be skimmed with a minimum of 3mm of the appropriate **STOPGAP** smoothing underlayment.

TOOLS - STYCCOBOND 2mm x 6mm or 3mm x 6mm 'V' notched trowel. F. Ball **GLYDA** trimming knife, 68kg flooring roller.

APPLICATION - Holding the trowel at an angle of 60°, spread the adhesive evenly over the subfloor and allow to dry partially to a paste-like consistency before laying the floorcovering. Care should be taken, particularly on absorbent surfaces, to ensure that the adhesive does not dry past its open time and still gives good transfer to the back of the floorcovering. Following the manufacturer's laying instructions place the floorcovering and press from the centre outwards to extrude air and ensure overall contact with the adhesive. Apply pressure by rolling with a 68kg flooring roller from end to end and side to side (on foam backed floorcoverings use the **GLYDA**) to ensure good transfer to the back of the carpet. It may be necessary to re-roll the carpet 30 minutes later to ensure overall adhesion is maintained.

COVERAGE - Approximately 3m² per litre, depending on the condition and absorbency of the subfloor. The coverage will be reduced when using the 3mm x 6mm trowel.

STYCCOBOND F40 - High Tack Dual Bond Adhesive

TYPE - A solvent free synthetic polymer emulsion adhesive, developed to provide a peelable bond for release underlays. It can also

be used as a permanent or release bond adhesive when fixing carpets.

The type of bond achieved is dependent on when the floor covering is laid into the adhesive. Laying the floor covering into the adhesive once it has dried enables the underlay or carpet to be lifted when required, without significant damage to either floor covering or subfloor. Laying the floor covering into wet adhesive gives a permanent bond. It is suitable for use over normal underfloor heating installations.

It can be used for securing a wide range of carpets which include those with felt, secondary, unitary and many other backings. It is also suitable for fixing certain release underlays which have been specifically developed for release bonding.

It can be applied to **STOPGAP** smoothing underlayments, structurally sound, smooth, dry subfloors of concrete and sand/cement screed, plywood, flooring grade chipboard and hardboard.

Sound flooring grade asphalt must be skimmed with a minimum of 3mm of the appropriate **STOPGAP** smoothing underlayment.

It can be applied directly to non-absorbent subfloors such as epoxy resin **STOPGAP** waterproof surface membranes, corrosion treated steel, terrazzo and granolithic tiles.

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 the adhesion. Use **STYCCOCLEAN C140** 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.

DAMP SUBFLOORS - The Relative Humidity (RH) of the subfloor can be measured using the F. Ball Digital Hydrometer. Where the RH value is greater than 75% the appropriate

STOPGAP Waterproof Surface Membrane should be applied.

PRIMING - Highly absorbent subfloors such as sand/cement screed and plywood etc. may cause rapid drying of the adhesive, thus reducing the open time. Use **STOPGAP P131** diluted 4 parts of water and stir until thoroughly dispersed. This should be allowed to dry thoroughly before proceeding with the installation.

Dry and suitably prepared calcium sulphate screeds e.g. anhydrite must be primed with neat **STOPGAP P121**

TOOLS - STYCCOBOND 1.5mm x 5mm 'V' notched trowel or **STYCCOBOND** Paint Roller, F. Ball 68kg flooring roller, **STYCCOBOND GLYDA**

APPLICATION - Holding the notched trowel at an angle of 60°, apply the adhesive evenly to the subfloor. Allow the adhesive to dry completed to a clear tacky coating before laying the carpet. Following the carpet manufacturers instructions, lay the floorcovering and press from the centre outwards to extrude air and the apply pressure by rolling with a 68kg flooring roller, from end to end and side to side.

CAUTION - If a peelable bond is specified do not lay the underlayment or carpet before the adhesive has completed dried as this will impair its release and may result in a permanent bond being formed.

Not all carpets are suitable for use over release underlay systems, check with the carpet manufacturer before proceeding. Do not apply the adhesive too thinly as this will reduce adhesion.

We would suggest that carpets are best maintained using dry cleaning methods in preference to wet extraction, thus avoiding the potential for damage to the adhesive bond caused by excessive use of cleaning fluids.

COVERAGE - Approximately 4m² - 7m² per litre with a 1.5mm x 5mm trowel.

STYCCOBOND F41 - Surface Tackifier

TYPE - An acrylic polymer emulsion adhesive, designed to provide a

permanently tacky film which prevents 'loose lay' carpet tiles from moving under normal traffic, but enables them to be lifted and replaced easily when required.

It is non-flammable, is protected against bio-degradation, is resistant to plasticiser migration and will withstand normal wet cleaning techniques. It may be used on sound, smooth, dry subfloors of concrete, sand/cement screeds; **STOPGAP** and other suitable floor smoothing underlayments; flooring grade chipboard, plywood and hardboard; wood; steel; thermoplastic and quarry tiles; linoleum and vinyl floorings. Asphalt must be skimmed with a minimum of 3mm of the appropriate **STOPGAP** smoothing underlayment.

TOOLS - STYCCOBOND paint roller or medium-stiff brush or short nap roller.

APPLICATION - Apply the adhesive to the floor surface evenly over the whole area with brush or roller. Allow to dry to a clear tacky film before placing the tiles into a position on the floor, press firmly over the entire area paying particular attention to the edges.

CAUTION - When using **STYCCOBOND F41** over a raised access floor system, pour the tackifier into a tray and apply carefully using a **STYCCOBOND** paint roller to avoid adhesive penetration between the panels. Under no circumstances should the tackifier be poured directly onto the floor. The tackifier must be allowed to dry completely before the tiles are laid.

COVERAGE - Approximately 7m² per litre, depending on the absorbency of the subfloor.

STYCCOBOND F52 - Gum/Spirit Adhesive

TYPE - A polymer reinforced gum/spirit adhesive designed to provide a rigid setting bond. It will withstand normal wet cleaning techniques and is suitable for use over normal underfloor heating installations.

It may be used on sound smooth dry subfloors or concrete; granolithic; sand/cement screeds; **STOPGAP** and other floor smoothing underlayments; terrazzo, flooring grade chipboard; plywood and hardboard; wood; thermoplastic and quarry tiles and steel. Asphalt, **STOPGAP** surface

waterproof membranes and non absorbent surfaces such as terrazzo and some power floated concrete slabs should be skimmed with a minimum of 3mm of the appropriate **STOPGAP** smoothing underlayment.

STYCCOBOND F52 contains highly flammable solvents and must be stored, transported and used strictly in accordance with current legislation.

TOOLS - 2mm x 6mm 'V' notched trowel, 68kg flooring roller.

APPLICATION - Holding the trowel at an angle of 60°, spread the adhesive evenly over the subfloor that can be covered whilst the adhesive remains receptive and gives good transfer. Immediately lay the floorcovering into the adhesive and roll from end to end and side to side to ensure good transfer to the back of the floorcovering. 1-4 hours later roll again in two directions.

STYCCOBOND F60 - Contact Adhesive

TYPE - A synthetic rubber/resin solution contact adhesive which is designed to provide a strong instant bond on vertical surfaces, stair treads and risers but may also be used on some floor surfaces.

It may be used on sound smooth dry subfloors or concrete; granolithic; sand/cement screeds; **STOPGAP** and other floor smoothing underlayments; terrazzo, flooring grade chipboard; plywood and hardboard; wood; thermoplastic and quarry tiles and steel. Asphalt, **STOPGAP** surface waterproof membranes and non absorbent surfaces such as terrazzo and some power floated concrete slabs should be skimmed with a minimum of 3mm of the appropriate **STOPGAP** smoothing underlayment.

STYCCOBOND F60 contains highly flammable solvents and must be stored, transported and used strictly in accordance with current legislation.

TOOLS - STYCCOBOND safety spreader or a flat brush.

APPLICATION - Using the spreader, held at an angle of 60°, or brush, to apply a thin coat of the adhesive evenly to the back of the covering and the floor or wall surface. Allow the solvent to evaporate until the adhesive becomes touch dry before bringing the two coated surfaces together. Apply pressure from the

centre outwards to avoid trapping the air, ensure that good contact is made over the whole area.

COVERAGE - Approximately 2m² per litre, coating both surfaces.

STYCCOBOND F66 - Solvent Free Contact Adhesive

TYPE - A solvent free contact adhesive, providing a safe alternative to conferral solvent based adhesives.

It may be used on sound smooth dry subfloors or concrete; granolithic; sand/cement screeds; **STOPGAP** and other floor smoothing underlayments; terrazzo, flooring grade chipboard; plywood and hardboard; wood; thermoplastic and quarry tiles and steel. Asphalt, **STOPGAP** surface waterproof membranes and non absorbent surfaces such as terrazzo and some power floated concrete slabs should be skimmed with a minimum of 3mm of the appropriate **STOPGAP** smoothing underlayment.

Suitable for use over normal underfloor heating.

TOOLS - 1.4mm x 2.5mm 'V' notched spreader.

APPLICATION - Holding the spreader at an angle of 60° apply the adhesive to both surfaces. Allow the adhesive to become touch dry before bringing the two surfaces together within the next seven hours. If the drying time exceeds seven hours then warm heat reactivation may be used, taking care that there is no contamination of the adhesive film. Apply pressure from the centre outwards to avoid trapping air.

COVERAGE - Approximately 5m² per litre per coat, depending on the subfloor and floorcovering.

STYCCOBOND F74 - Polyurethane Adhesive

TYPE - A one pack moisture curing polyurethane adhesive stable both for fixing floorcoverings and for seaming synthetic grass carpets.

It is water resistant and is suitable for use outdoors although it is not intended to be a damp proof membrane. It is resistant to oil and grease and is suitable for use over normal underfloor heating systems.

It may be used on sound, smooth, clean surfaces of concrete;

granolithic; sand/cement screeds; **STOPGAP** and other floor smoothing underlayments. Asphalt, **STOPGAP** surface waterproof membranes and non absorbent surfaces such as terrazzo and some power floated concrete slabs should be skimmed with a minimum of 3mm of the appropriate **STOPGAP** smoothing underlayment.

TOOLS - STYCCOBOND 2mm x 6mm 'V' notched trowel, 68kg flooring roller.

APPLICATION - Holding the trowel at an angle of 60°, spread the adhesive evenly over an area of the subfloor that can be covered within the open time of the adhesive. Following the manufacturer's laying instructions place the floorcovering immediately into the adhesive whilst it is still wet, pressing from the centre outwards to exclude air, then roll with a 68kg flooring roller to ensure complete contact.

Curled flooring will need to be weighted in contact with the adhesive until it has cured.

Non-absorbent subfloors must be skimmed with a minimum 3mm application of the appropriate smoothing underlayment to assist the adhesive curing process.

COVERAGE - Approximately 1.5m² per kg, depending on the condition and absorbency of the surface.

STYCCOBOND F81 - Epoxy Adhesive

TYPE - A solvent free, two part epoxy adhesive designed for the installation of the floorcoverings in areas that may be subject to large amounts of surface water.

When cured, it is resistant to water, oil, grease. Although it is suitable for outdoor use, it is not intended to be a damp proof membrane.

It may be used on sound, smooth, clean surfaces of concrete; granolithic; sand/cement screeds; **STOPGAP** and other floor smoothing underlayments; terrazzo and steel. Asphalt and **STOPGAP** surface waterproof membranes must be skimmed with a minimum of 3mm of the appropriate **STOPGAP** smoothing underlayment.

TOOLS - STYCCOBOND 2mm x 6mm 'V' notched trowel, 68kg flooring roller.

APPLICATION - Holding the trowel at an angle of 60°, spread the adhesive evenly over an area of the subfloor that can be covered within the open time of the adhesive. Following the manufacturer's laying instructions place the floorcovering immediately into the adhesive whilst it is still wet, pressing from the centre outwards to exclude air, then roll with a 68kg flooring roller to ensure complete contact.

Curled flooring will need to be weighted in contact with the adhesive until it has cured.

COVERAGE - Approximately 1.5m² per kg, depending on the condition and absorbency of the surface.

NB - Information on the IQ Spray System and the spray adhesives S910 and S920 can be obtained by contacting F. Ball and Co. Ltd Technical Services Department.

Health and Safety Advice

Detailed Health and Safety information for F. Ball and Co Ltd's adhesives and associated products is provided on 'Manufacturer's Material Data Sheets', available through wholesalers and distributors. To confirm this publication is up to date, please call Technical Services on 01538 361 633