STIX A640 PRESSURE SENSITIVE

ACRYLIC ADHESIVE FOR PVC, SHEET & TILE FLOORCOVERINGS

TECHNICAL SHEET NO: TDS02178 22/03/24

SMART ADVANTAGES

- Ideal for design floor coverings
- Can be used on non-porous surfaces
- Highly tacky - wet and dry adhesion

DESCRIPTION

Bostik STIX A640 PRESSURE SENSITIVE is a high performance, solvent-free, pressure sensitive acrylic adhesive, with low VOC emissions (EC1), which is ideal for bonding PVC sheet and tile coverings.

Bostik STIX A640 PRESSURE SENSITIVE adhesive has been specially formulated to give a high initial tack and excellent bond strength and dries to form a permanently tacky film. It offers high-performance as either a wet, or dry stick adhesive.

Bostik A640 PRESSURE SENSITIVE provides a smooth, easy application with excellent workability, which makes it ideal for use with all types of PVC floorcoverings. It can be applied to smoothing compounds, concrete, sand/cement screeds, flooring grade plywood, chipboard, hardboard and screed boards.

It is suitable for use with warm water underfloor heating systems, provided a surface temperature of +27°C is not exceeded.

TECHNICAL CHARACTERISTICS

Colour	White (dries clear)
Form	Viscous liquid
Specific gravity	1.02 approx.
Composition	Water-based acrylic
Application temperature	+10°C to +25°C
Waiting times	10 to 15 minutes (depending on ambient temperature and humidity)
Open times	60 minutes (depending on ambient temperature and humidity)
Walk on time	Wet stick – after 12 hours Dry stick – immediately after installation of flooring
Drying times	Full cure approx. 24 to 48 hours (depending on ambient temperature and humidity)
VOC emissions	Very low emissions EC1

COVERAGE

- Approx. 0.25kg to 0.40kg/m² (depending on the trowel used and smoothness of the floor surface)

APPLICATION

IMPORTANT: Before using Bostik STIX A640 PRESSURE SENSITIVE, refer to the relevant Health & Safety Data Sheet, available at www.bostik.com/uk.

All phases of the application should comply with the current editions of:

- BS 8102 Code of practice for protection of below ground structures against water ingress.
- BS 5325 Code of practice for installation of textile floor coverings.
- BS 8203 Code of practice for installation of resilient floor coverings.
- BS 8201 Code of practice for installation of flooring of wood and wood-based panels.

Ensure the correct PPE is worn during use.

PREPARATION

- Ensure the subfloor is clean, sound and dry (<75%RH), of adequate tensile & compressive strength, free from laitance, cracks, structural defects and contaminants that may prevent adhesion (e.g., dust, oil, grease, paint, plaster, polish, some curing compounds, surface hardeners, additives and adhesive residues must be completely removed), and conforms to BS 8204 code of practice.
- For subfloors that are not sufficiently smooth or require height build-up to receive the particular floor covering, an application of a suitable Bostik smoothing compound and primer system is recommended. Please contact Technical Services for advice on specific products and subfloors.
- The temperature of the floor and application environment must be stable and maintained between +5°C and +25°C throughout the application and drying of the adhesive. Room conditions must be maintained for 24 hours while the adhesive fully cures.

UNDERFLOOR HEATING

- Bostik STIX A640 PRESSURE SENSITIVE can be used on substrates containing warm water underfloor heating systems. The system must be switched off 48 hours prior to, during and for 48 hours post application. To prevent rapid dehydration, wait 48 hours after installation before gradually turning up underfloor heating.

PRIMING

- In certain cases, on very absorbent open textured screeds, it may be beneficial to prime the surface using Bostik GRIP A526 UNIVERSAL. Dilute 1 part Bostik GRIP A526 UNIVERSAL to 4 parts clean, cold water. Apply and allow the primer to fully dry (see separate technical data sheet).
- Priming reduces over-absorption of the adhesive and improves workability, coverage and bond strength.

APPLICATION

TROWEL SIZE	COVERAGE RATE
A1	0.2kg to 0.25kg per m²
A2	0.3kg to 0.35kg per m²
1.5mm x 5mm	0.4kg to 0.45kg per m²

Wet stick applications:

- Apply the adhesive to the substrate using the appropriate trowel size. Allow the adhesive to air for 10 to 15 minutes. Once the adhesive has sufficiently aired to form a tacky film over the adhesive ridges, place the flooring into the adhesive bed.
- Immediately roll the flooring using a 68kg heavy roller to dispel any trapped air and ensure there is a transfer of adhesive onto the backing of the floor covering. After 30 minutes, roll again.

Dry stick applications:

- Apply the adhesive to the substrate using the appropriate trowel size. Allow the adhesive to air until it becomes fully clear 30 to 60 minutes. Once the adhesive has sufficiently aired to form a clear and permanently tacky film, place the flooring into the adhesive bed.
- Immediately roll the flooring using a 68kg roller to dispel any trapped air. After 30 minutes, roll again.

Roller application:

- To minimise the effect of adhesive serrations showing through thin floor coverings, a roller pre-wetted with adhesive can be used to flatten what has been applied to the subfloor, ensuring that none of the adhesive applied is removed. This creates a uniform appearance and maximises surface contact with the floor covering. Place the floor covering immediately after application of the adhesive.

Non-absorbent surfaces:

- Apply adhesive as above but allow to air until the desired level of airing has been achieved (10 to 15 minutes for wet stick applications and 30 to 60 minutes for dry stick applications). Place the flooring into the adhesive bed and immediately roll using a 68kg flooring roller. After 30 minutes, roll again.

NOTE:

- Always follow the floor covering manufacturers' installation guidance.
- Do not weld the joints before the adhesive has had sufficient time to develop a good bond (approx. 24 hours after installation).

CLEANING

- Clean tools and equipment with warm water immediately after use. Remove any adhesive from the surface of the floor covering with a damp cloth.

STORAGE

- Store and transport securely in an upright position. Ensure the lid is secure. Store for up to 12 months from date of

manufacture in original, unopened packaging in cool, dry conditions within the temperature range +10°C to +25°C and out of direct sunlight. Protect from frost.

PRECAUTIONS IN USE

For any application not covered, please contact Technical Services on +44 (0)1785 272625 or visit www.bostik.com/uk for advice.

Recommendations and suggestions are for guidance only, since conditions of use are completely beyond our control.

For health and safety instruction, first aid measures and spillage and disposal instructions, see separate Health and Safety Data sheet for Bostik STIX A640 PRESSURE SENSITIVE, available at www.bostik.com/uk.

PACKAGING

Product codes	30620335	15kg bucket

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