



# STIX H900 RESIST +

## HIGH-PERFORMANCE HYBRID ADHESIVE FOR BONDING RESILIENT FLOORING IN EXTREME CONDITIONS

TECHNICAL SHEET NO: TDS02257 02/05/24

### SMART ADVANTAGES

- Easy to spread
- Resistant to extreme conditions
- Very high bond performance

### DESCRIPTION

Bostik STIX H900 RESIST + is a high-performance hybrid adhesive for laying resilient flooring. It is ideal for use in environments with extreme ambient conditions. It has very low emissions (EC1 Plus).

It is suitable for adhering LVT design coverings, rubber flooring up to 10mm in thickness, rubber granulate floor coverings, PVC sheet and tiles, linoleum tiles up to 4mm in thickness, indoor artificial grass/sports floor covering and wall protective panels.

Bostik STIX H900 RESIST + has been specially formulated to provide a very high bond strength and offer excellent levels of performance in extreme conditions.

It is suitable for wall and floor applications, and can be applied to absorbent & non-absorbent substrates, dense substrates (ceramic tiles, resin, etc.), flexible or deformable substrates (metal, wood, underlayment) and can be used in extreme conditions and heavily trafficked areas.

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



### TECHNICAL CHARACTERISTICS

<b>Colour</b>	White
<b>Form</b>	Paste
<b>Specific gravity</b>	1.6 approx.
<b>Composition</b>	Hybrid technology
<b>Application temperature</b>	+10°C to +25°C
<b>Waiting times</b>	10 to 20 minutes (depending on ambient temperature and humidity)
<b>Open times</b>	40 to 50 minutes (depending on ambient temperature and humidity)
<b>Drying times</b>	Foot traffic approx. 12 hours Full cure/floor installation approx. 24 hours (depending on ambient temperature and humidity)
<b>Walk on time</b>	Wet stick – after 12 hours
<b>VOC emissions</b>	Very low emissions EC1 Plus

### COVERAGE

- Approx. 0.3kg to 0.6kg/m<sup>2</sup> (depending on the trowel used and smoothness of the floor surface)

## APPLICATION

IMPORTANT: Before using Bostik STIX H900 RESIST +, refer to the relevant Health & Safety Data Sheet, available at [www.bostik.com/uk](http://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 consult 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 +27°C throughout the application and drying of the adhesive.

## UNDERFLOOR HEATING

- Bostik STIX H900 RESIST + 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.

## APPLICATION

FLOOR COVERING	TROWEL SIZE	COVERAGE RATE
Thin covering (<2mm)	A4 / A5	0.25kg to 0.3kg per m <sup>2</sup>
PVC, rubber with smooth backing, sport covering on PVC underlay	A5	0.3kg to 0.32kg per m <sup>2</sup>
PVC, rubber, linoleum with rough backing	A2	0.3kg to 0.35kg per m <sup>2</sup>
PVC for collective kitchen, EPDM/rubber sport covering	A2 / B1	0.35kg to 0.4kg per m <sup>2</sup>

- Select the appropriate trowel size and application method for the floor covering and apply the adhesive evenly onto the subfloor, holding the trowel at an angle of 60°.

- Do not apply more adhesive than can be laid with good transfer onto the back of the covering within the allowed working time.
- Always lay the floor covering within the appropriate open time.
- Allow 10 to 20 minutes before installing the covering, and ensure the adhesive ridges are pressed out whilst placing the flooring.
- 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 20 minutes, roll again.
- Do not walk on newly laid floors. If access is required, place timber sheets over the floor to spread the load across a larger surface area.
- Protect the floor covering from traffic until fully cured, usually after 24 hours for light foot traffic.

## 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 immediately after use. Remove any excess adhesive and clean tools with cleaning/solvent wipes. Dried and hardened material can only be removed mechanically. Material spillages on the floor covering should be left to dry and then removed.

## 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](http://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 H900 RESIST +, available at [www.bostik.com/uk](http://www.bostik.com/uk).

## PACKAGING

Product codes	30626173	14kg bucket
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