



Sovereign Hey'di Tanking Bonding Agent

MODIFIES CEMENTITIOUS SYSTEMS

TECHNICAL SHEET NO: TDS02279 28/11/2025

SMART ADVANTAGES

- Ideal for bonding & priming
- Improves water, chemical & abrasion resistance
- For waterproof rendering, floor toppings & screeds

DESCRIPTION

Sovereign Hey'di Tanking Bonding Agent is a premium-quality, high-solids bonding agent formulated with carboxylated styrene butadiene rubber. Designed specifically for use with the Sovereign Hey'di K11 Tanking System.

This advanced bonding agent has a long-standing reputation in the construction industry for modifying cement-based systems. Unlike PVA, it does not re-emulsify when used in damp areas, making it ideal for use in external situations.

The formulation includes anti-foam additives to reduce air entrainment, improving the consistency of mixes and enhancing the integrity of bonding and priming systems. It is particularly effective for priming surfaces, creating bonding coats, and improving adhesion in external renders where a strong, dependable bond is required.

When incorporated into cementitious systems, Sovereign Hey'di Tanking Bonding Agent offers a wide range of performance benefits. It provides excellent adhesion to various substrates including dense concrete, glass, steel, and tiles. Mixes can be applied in thinner layers, and the system demonstrates enhanced resistance to salt permeation. It also improves flexibility and toughness, increases resistance to many chemicals, and allows for a lower water-to-cement ratio while maintaining workability. Additionally, it helps reduce cracking and shrinkage, contributing to a more durable and long-lasting finish.



TECHNICAL CHARACTERISTICS

Colour	Milky white
Form	Liquid
Specific gravity	1.1 approx.
Composition	47% styrene butadiene
Application temperature	+5°C to +25°C

COVERAGE

- Mix ratio is dependent on application being carried out. See the relevant application section for details.

APPLICATION

IMPORTANT: Before using Sovereign Hey'di Tanking Bonding Agent, refer to the relevant Health & Safety Data Sheet, available at www.bostik.com/uk.

PREPARATION

- This product has been designed to work with Portland cement: CEM I and Portland-fly ash cement: CEM II/B-V. For other types of cement, e.g., Portland-limestone CEM II/A-LL it is recommended that a small trial is carried out to ascertain the optimum mix ratios as cement and sand types can vary.
- **IMPORTANT:** Do not use in concrete which is structural i.e., load bearing, reinforced, pre-stressed or steam cured. Work should not be carried out in temperatures below +5°C, or when temperatures are expected to fall below this. Ensure materials and procedures comply with the appropriate standards. Do not exceed ratios stated, overmix, over trowel, use with other admixtures, add to lime-based mixes, or use with high alumina, sulphate resisting or extra rapid hardening cement. This product is not vapour proof; therefore, structures must incorporate a suitable damp-proof membrane. When rendering, protect render from drying too quickly. Ensure the substrate is strong enough to support the weight of any render being applied.
- Ensure that all components of the mix and the working temperature are above +5°C.
- Sands and aggregate must be dry, well graded, clean and meet the appropriate standards. Aggregates must be dust-free.
- Ensure surfaces are sound, clean, dry and free from grease, oil, paint, laitance, loose materials and any other surface contaminants.
- Key surface by scabbling, vacuum grit blasting or planning.
- For all applications, dampen porous surfaces before applying the appropriate SBR bonding slurry.

APPLICATION

- Shake well before use.
- **IMPORTANT:** Do not overmix or over trowel mixes modified with Sovereign Hey'di Tanking Bonding Agent.

Primer coat

- Mix 1 part Sovereign Hey'di Tanking Bonding Agent to 5 parts water.
- Apply the primer to porous backgrounds. Render can then be applied to either wet or dry primer.

Sealer coat

- Mix 1 part Sovereign Hey'di Tanking Bonding Agent to 3 parts water.
- Apply to the rear and edges of timber before fitting and tiling to reduce moisture ingress. Do not prime the face to be tiled.

Bonding coat

- Mix 1 part Sovereign Hey'di Tanking Bonding Agent to 1 part water, with 1.5 parts OPC.
- Mix the water and Sovereign Hey'di Tanking Bonding Agent together. Then slowly add the cement and mix until a creamy mix is obtained.
- This can then be applied to surfaces with a brush to vastly improve the adhesion of subsequent coats. Render, screed

etc., must be applied whilst the bonding coat is still tacky i.e., within 20 minutes. If the bonding does dry, then reapply more before continuing.

- This mix should have a pot life of at least 1 hour.
- This bonding coat is also ideal for use in tiling onto difficult substrates such as glazed tiles, vinyl tiles, glass and metal. Again, the adhesive must be applied whilst the bonding coat is still tacky.

Renderers

- External renderings commonly provide difficulties and failure rates can be high. Problems associated with external render are usually caused by poor bond to the background, cracking and low durability.
- Incorporating Sovereign Hey'di Tanking Bonding Agent into the system, both as a bonding coat and in the render will overcome these problems.
- As with all coating, substrate preparation is key. Clean back the substrate to a sound background Rake out any loose mortar and re-point.

Spatterdash Mix

1 part Sovereign Hey'di Tanking Bonding Agent
2 parts coarse sand
1 part OPC

- Mix well, apply by dashing, ensure complete coverage to a thickness of 3mm, and allow to dry.
- This mix can also be used for stippling.

External Render

1 part Sovereign Hey'di Tanking Bonding Agent : 3 parts water
3 to 4 parts sand
1 part OPC

- Scratch the first coat and allow to dry. Subsequent coats should be thinner/weaker.

Screeds

- Incorporating Sovereign Hey'di Tanking Bonding Agent into a floor screed will give enhanced qualities to the floor such as adhesion, flexural strength, water and abrasion resistance and allowing thinner sections to be laid.
- When laying screeds the correct surface preparation is vital to success. All surface contamination must be removed such as paint, oil or grease. Mechanical preparation of the surface is ideal using such as shot blasting, scabbling and planning which should expose the aggregate and leave a stable surface. One point worth mentioning is that these techniques can sometimes leave a dust on the surface. If this is the case, this should be power washed off.
- Apply a bonding coat and lay the screed whilst this is still tacky. The quantity of Sovereign Hey'di Tanking Bonding Agent to add to the screed is dependent upon the thickness to be laid and the mix design. The following table gives some guidance. Apply a bonding coat and lay the screed whilst this is still tacky. The quantity of Sovereign Hey'di Tanking Bonding Agent to add to the screed is dependent upon the thickness to be laid and the mix design. The following table gives some guidance.

Screeds	6 to 12mm	12 to 25mm	Up to 40mm
Cement	50kg	50kg	50kg
Sharp sand	125kg	150kg	150kg
Bonding agent	9kg	7kg	5kg
Yield	0.12m ³	0.12m ³	0.12m ³

Topping	Granite 12 to 25mm	Granite >25mm	Fine concrete 25mm
Cement	50kg	50kg	50kg
Sharp sand	75kg	150kg	100kg
Granite chip	75kg	75kg	
Pea shingle			100kg
Bonding agent	9kg	7kg	5kg
Yield	0.12m ³	0.12m ³	0.12m ³

CLEANING

- Clean tools and equipment with water immediately after use. Dried product is difficult to remove.

STORAGE

- Store and transport securely in an upright position. Ensure the cap is fully closed. Store for up to 12 months from date of manufacture in original, unopened packaging in cool, dry conditions within the temperature range +5°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 Sovereign Hey'di Tanking Bonding Agent, available at www.bostik.com/uk.

PACKAGING

Product codes	30615196	10kg polyjerry

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