

SELFSEAL SBS 150



SELF-ADHESIVE SBS MODIFIED BITUMINOUS MEMBRANE WITH CROSS-LAMINATED HDPE

hahne SelfSeal SBS 150 is a self-adhesive, SBS modified bituminous waterproofing membrane designed for reliable waterproofing of concrete and other suitable substrates. The membrane combines a flexible modified bituminous compound with a reinforced surface layer to provide good resistance to puncture, tearing and mechanical damage.

The self-adhesive construction enables fast and convenient installation without the use of a flame torch during membrane application. The membrane provides strong adhesion to primed concrete and is suitable for below-ground and other waterproofing applications where a self-adhesive bituminous membrane is required.



PRODUCT INFORMATION

Area of Applications

- Waterproofing of basements and underground structures.
- Horizontal and vertical concrete surfaces.
- Multi-level floor and insulation systems.
- Tunnels and underground structures.
- Terraces and flat or sloped roofs.
- Waterproofing details where self-adhesive bituminous membrane is required.
- Suitable applications requiring protection against water ingress and hydrostatic pressure.

Features and Benefits

- SBS modified bituminous composition provides flexibility and high elongation.
- Self-adhesive application allows installation without a flame torch.
- Fast and convenient application with minimal installation equipment.
- Good adhesion to primed concrete.
- High resistance to tearing and perforation.
- Good resistance to mechanical damage.
- Maintains flexibility at low temperatures.
- Good dimensional stability.
- Suitable for both horizontal and vertical waterproofing applications.

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TECHNICAL SPECIFICATIONS

Property	Test Method	Result
Thickness	ASTM D5147:2018	1.5 mm
Tensile Strength – Longitudinal	ASTM D5147:2018	200 N/50 mm
Tensile Strength – Transverse	ASTM D5147:2018	200 N/50 mm
Elongation – Longitudinal	ASTM D5147:2018	> 300 %
Elongation – Transverse	ASTM D5147:2018	> 300 %
Tear Strength – Longitudinal	ASTM D4073:2016	>120 N
Tear Strength – Transverse	ASTM D4073:2016	>120 N
Low Temperature Flexibility at -15°C	ASTM D5147:2018	No Crack
Puncture Resistance	ASTM E154:2008	> 200 N
Resistance to Hydrostatic Head up to 7 bar (71.4 m)	ASTM D5385:2025	No Leakage
Peel Adhesion with Prime Concrete	ASTM D903:1998	>1800 N/m
Dynamic Crack Bridging Ability at 23°C, 3.2 mm Extension & Compression	ASTM C1305:2025 (M)	No Leakage
Resistance to Impact – 800 mm	EN 12691:2018	No Leakage

APPLICATION PROCEDURE

Surface Preparation

- The substrate must be sound, smooth, clean and free from dust, loose particles, oil, grease and other contaminants.
- Remove sharp projections and irregularities that may damage the membrane or interfere with bonding.
- Repair surface defects and ensure the substrate is smooth before application.
- Remove standing water and ensure the substrate is dry before priming and membrane installation.

Priming

- Prime the prepared substrate with **hahne PrimeStick-BT** bituminous primer before membrane application.
- Allow the primer to dry until it is touch-dry before proceeding with membrane installation.
- Primer coverage and drying time shall be established according to the approved product/system requirements and site conditions.

Application of Membrane

- Roll out **hahne SelfSeal SBS 150** over the prepared and primed substrate from the lowest point and work upwards where applicable.
- Care shall be taken to avoid creating counter-gradient overlaps.
- Gradually remove the release liner while unrolling the membrane and press the membrane firmly onto the substrate.

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- Use a suitable hand roller to achieve uniform contact and remove trapped air.
- Ensure membrane overlaps are correctly aligned and continuously bonded.
- Press all overlap areas firmly to achieve a secure and watertight joint.
- Inspect the completed membrane surface and joints before subsequent construction activities.

Overlap & Joint Treatment

- Overlap widths shall be maintained in accordance with the approved waterproofing detail and project requirements.
- Ensure overlapping surfaces are clean and free from dust and other contaminants.
- Apply firm pressure over the entire overlap to obtain continuous adhesion.
- At end laps, corners, terminations, penetrations and changes in level, use suitable compatible detailing accessories and methods.
- All joints shall be continuous and free from open gaps, wrinkles and incomplete bonding.

Detailing & Repairs

- Treat corners, penetrations, construction joints, terminations and changes in level in accordance with the approved waterproofing detail.
- Inspect the membrane after installation and before covering or subsequent construction.
- Repair cuts, punctures or damaged areas using compatible membrane pieces and suitable approved jointing methods.
- Damaged or inadequately bonded areas must be rectified before proceeding with subsequent work.

Protection

- Protect the installed membrane from mechanical damage during subsequent construction activities.
- Where the membrane is exposed to conditions that may cause damage or harmful UV exposure, provide an appropriate protective layer or system.
- Do not expose the membrane to traffic or loading beyond its intended application without suitable protection.

PACKAGING, STORAGE AND SAFETY

Packaging

- **hahne SelfSeal SBS 150** is supplied in rolls of 1 m width and 20 m length, subject to standard packing configuration.

Storage and Shelf Life

- Store the membrane in a cool and dry place in its original packaging.
- Store rolls in a stable manner and protect them from damage, moisture and contamination.
- Avoid prolonged exposure to direct sunlight and adverse environmental conditions.
- Do not place heavy loads directly on the membrane rolls.
- Handle carefully during transportation and installation to prevent damage to the membrane and release liner.

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Safety Instructions

- Wear suitable protective gloves, clothing and eye protection during handling and installation.
- Avoid unnecessary contact with the adhesive compound.
- Use appropriate precautions when cutting and handling the membrane.
- No flame torch is required for the self-adhesive application of the membrane.
- Refer to the relevant Safety Data Sheet before use.

DISCLAIMER: The information and application guidelines provided by the company and its representatives are intended solely as a general reference. Users are strongly encouraged to conduct their own tests and trials to verify the product's suitability for their specific requirements before proceeding with full-scale use. As the identification of underlying issues, the quality of other materials and the workmanship on-site are beyond our control, we cannot offer any express or implied guarantees regarding the results. The company disclaims any liability for damages or unsatisfactory outcomes that may arise from the use of our products.