SANTEC
BUILD WITH CARE

TECHNICAL DATA SHEET

Santec Bitumen Black

Bitumen-modified, single-component waterproofing coating, applied cold as a liquid to form a seamless membrane.

PACK
20 kg



Cold Applied · Seamless · Vapour Barrier

7–9 m²/kg	3–4 m²/kg	1 : 1	12 months
PRIMER COAT	TWO TOP COATS	PRIMER, KG : L WATER	SHELF LIFE, SEALED

01 Product Description

Santec Bitumen Black is a bitumen-modified, single-component waterproofing coating that is applied cold, as a liquid. It forms a seamless, impervious membrane that protects concrete and masonry from water and from aggressive salts in soil and groundwater.

> **Water-thinnable:** no preheating, no solvents. Brush or roller applied.

02 Uses

- Protective coating on concrete, brick foundations, retaining walls, timber and metals
- Sandwich membrane in new construction; surface treatment on existing slabs
- Waterproofing and protection of structures, concrete columns and beams

03 Suitable Surfaces

- Concrete
- Brick & foundations
- Timber
- Metals

04 Advantages

- Easy, direct cold application, no preheating
- Seamless, with no joints
- Acts as a vapour barrier and resists corrosion
- Impervious membrane that protects concrete and brick foundations against chloride and sulphate ions in soil and water

05 Surface Preparation

The surface must be **clean and free from dust, grease and loose particles**.

The surface may be damp but not saturated. Keep the substrate moist and **saturated surface-dry (SSD)** before priming.

06 Mixing & Application

Stir well before use

Brush or roller · thin with clean water only

STEP 1 · PRIMER COAT
1 kg + 1 L water

- Dilute 1 kg of Bitumen Black with 1 litre of water.
- Apply one coat on the well-prepared surface.
- Let the primer dry completely.

STEP 2 · TOP COATS
2 coats recommended

- Apply 1 – 2 coats, depending on the protection needed.
- Embed glass-fibre reinforcement into the first coat while wet.
- Apply the second coat only after the first has fully cured.

DILUTION FOR WORKABILITY
15–25 % · 10–15 %

- Up to 15 – 25 % water for the first coat.
- Up to 10 – 15 % water for the second coat.
- Clean brushes and tools with water immediately after use.

07 Conditions & Limitations

5–35 °C	**SSD**	**Water**	**Screed**	**Brush**
Application temperature	Substrate damp, not saturated	Thin with water only. No solvents	Protect the coating with a suitable screed	Or roller application

08 Technical Data

PROPERTY	VALUE
Appearance	Blackish paste
Brushability	Easy to brush
Thinning	Clean water
Pack size	20 kg

PROPERTY	VALUE
Primer dilution	**1 kg : 1 L water**
Top coats	1 – 2 (2 recommended)
Primer coverage	7 – 9 m² per kg
Top-coat coverage	3 – 4 m² per kg, 2 coats

Test values to be confirmed:

Solid content · Viscosity · Specific gravity · Elongation · Tensile strength · Tear resistance · Tensile strength recovery · Crack bridging · Permeability · Bond strength

09 Coverage

7–9 m² **per kg**
primer coat

3–4 m² **per kg**
cementitious surface, 2 coats

Data is for guidance only. Physical values are subject to normal manufacturing tolerances, colour and testing variances. Coverage figures are theoretical and do not allow for extra material due to surface porosity, profile, level variations or wastage.

10 Packaging

20 kg

Pack	**Bucket**
Component	**Single**

11 Storage & Shelf Life

12 months in the original sealed pack under ideal storage conditions.

Keep in a cool, dry, well-ventilated place, away from direct sunlight and frost.

12 Precautions & Annotations

- Do not use or mix with solvents.
- Protect the coating with a proper, suitable screed.
- Always keep the substrate moist and SSD before priming.
- Use a good-quality brush, sponge, scrubber or white cotton cloth to avoid damaging the surface.
- Clean the inner and outer surfaces of tools (spray pumps, water jets, mixers, grinders) to avoid damage to the surface and material.

13 Health & Safety

⚠ **Wear protective clothing, gloves and eye goggles during application.** Avoid contact with eyes and skin. Keep out of reach of children. Not for internal consumption.

Handling

- Apply between 5 °C and 35 °C.
- Use only in well-ventilated areas.
- Wash hands thoroughly after applying.

Accident & Spillage

- Accident: use water spray.
- Spillage: take up mechanically or with absorbent material.

First Aid

- If swallowed, contact a physician.
- Skin: wash with soap and water; remove contaminated clothing.
- Eyes: hold open, flood with water for at least 10 min and contact a physician.

14 Notes

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