SANTEC
BUILD WITH CARE

PACK
20 kg



TECHNICAL DATA SHEET

Santec

Roofcoat

Heavy-duty, fibre-reinforced acrylic waterproof coating that forms a seamless membrane on terraces.

Fibre Reinforced · Heavy Duty · Waterproof

1–1.25 mm	2 m²/kg	6–8 hrs	7 days
DRY FILM, 3 COATS	PER COAT	BETWEEN COATS	FULL CURE

01 Product Description

Santec Roofcoat is a heavy-duty, water-based waterproof coating for building terraces. It is made from highly elastic acrylic polymers, graded fillers, weather-durable light-fast pigments, micro-fibres, additives and an effective fungicide. Applied as a liquid, it forms a seamless waterproofing membrane.

> **Three-layer system:** builds the required film thickness. On large roofs, embed a glass-fibre mesh between coats for even better performance.

02 Uses

- Waterproofing flat and sloping roofs and terraces
- Over existing brickbat coba, concrete screeds and earlier acrylic coatings
- Foot-traffic terraces, with no separate protective topping needed

03 Features & Benefits

- **High film build:** 1 – 1.25 mm dry in three coats
- **Crack bridging:** bridges fine substrate cracks
- **No tear-down:** sound coba, plaster or concrete stays
- **Strong bond:** good tensile, tear and bond strength
- **Elastic:** takes up normal structural movement
- **Durable:** resists UV, weather and abrasion
- **Lightweight:** adds no significant roof load
- Non-toxic, breathable, easy to apply and recoat

04 Suitable Surfaces

Concrete roof slabs	Brickbat coba & screeds	Cement plaster	Acrylic-coated roofs

05 Surface Preparation

- Clean and wash thoroughly, removing dust, dirt, oil, grease and loose particles.
- On old terraces with brickbat coba or screed, check that the substrate is sound.
- Cut out damaged or hollow areas and sharp edges down to the main slab. Coat the slab with a 1 : 1 slurry of cement and waterproofing polymer, then reinstate the coba with the same polymer in the slurry and top coat.
- Where coba is sound, fill cracks wider than 5 mm with polymer-modified repair mortar. Vacuum cracks finer than 2 mm free of dust.
- Prime cracks with Roofcoat diluted 1 : 1 with water and let dry; then fill with undiluted Roofcoat and let dry.
- Make sure the roof has a minimum slope of 1 in 100.
- Completely remove any bitumen-based treatment by mechanical scarification.

06 Application

Primer + three coats

Brush or roller

PRIMER COAT
2 : 1 Roofcoat : water

- Covers 7 – 8 m².
- Allow 6 – 8 hours to dry.
- Substrate must be SSD when priming.

THREE COATS
Undiluted, ~2 m²/kg each

- 6 – 8 hours between coats.
- Two extra coats on corners, gaps, joints, protrusions and outlets.
- Air-cure at least 7 days. Total dry film 1 – 1.2 mm.

LARGE ROOFS
Glass-fibre mesh

- Lay open-weave mesh (2.5 × 2.5 mm) into the wet first coat.
- Once dry, continue with the second coat.
- Extend the mesh up to the drip mould over the angle fillets.

07 Precautions & Limitations

No rain
Do not apply during rain

SSD
Substrate when priming

Foot only
Not for vehicles, machinery or equipment

No joints
Not over expansion or moving joints

1 : 100
Minimum roof slope

08 Technical Data

PROPERTY	VALUE
Base	Elastomeric acrylic, micro-fibres, water based
Application	Brush or roller, 3 coats
Pack size	20 kg

PROPERTY	VALUE
Dry film thickness	**1 – 1.25 mm (3 coats)**
Coverage	2 m² per kg per coat
Between coats	6 – 8 hours
Full cure	7 days

Test values to be confirmed:

Solid content · Hardness (Shore A) · Tensile strength · Elongation at break · Adhesion strength · Crack bridging · UV / accelerated weathering · Water vapour transmission · Algae & fungus resistance · Water penetration

09 Quality Check

Film thickness · day 7
Every 200 m², mark a 5 × 5 cm square, cut it diagonally, lift the film and measure with a vernier caliper. Average dry film should be 1 mm.

Repair test spots
Re-coat the test spots following the normal procedure.

Ponding test
Hold 50 mm of water for 48 hours to confirm a leak-free terrace.

10 Maintenance & Recoating

If the coating cracks after years of weathering or temperature extremes, renew it with a single recoat. On cracked areas, embed a fibre mesh into a wet recoat and apply one more coat once dry. Elsewhere, lightly sand and apply one coat.

11 Packaging & Storage

20 kg

Pack	**Bucket**
Shelf life	**12 months, sealed**

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

Coverage figures are theoretical and do not allow for extra material due to surface porosity, profile, level variations or wastage.

12 Health & Safety

Wear protective clothing, gloves and eye goggles during application. Always test on a small area first.

Handling

- Wear protective clothing, gloves and eye goggles.
- Keep out of reach of children.
- Not for internal consumption.

Skin & Eyes

- Skin: wash with soap and water; remove contaminated clothing.
- Eyes: rinse immediately with plenty of water; see a physician if irritation persists.

Ingestion

- Do not induce vomiting.
- Never give anything by mouth to an unconscious person.
- Call a physician.

13 Notes

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