SANTEC
BUILD WITH CARE

PACK 20 kg

COLOUR Grey



TECHNICAL DATA SHEET

Santec Bond 304

Polymer-modified cementitious thin-set adhesive for fixing ceramic and vitrified tiles on interior floors and walls. Just add water.

Just Add Water | Floor & Wall | Interior Use

4–5 L	45 min	24 hrs	≥0.5 N/mm²
WATER PER 20 KG	ADJUSTABILITY	FOOT TRAFFIC & GROUTING	TENSILE ADHESION

01 Product Description

Santec Bond 304 is a cementitious, polymer-based powder containing Portland cement and sand. Mixed with water, it is used for installing small and medium-size ceramic and vitrified tiles on interior floors and walls.

> **Single component:** supplied as a ready powder in 20 kg bags. Just add clean water at site.

02 Uses

- Fixing ceramic and vitrified tiles on floors
- Fixing ceramic and vitrified tiles on walls, up to 2 ft × 4 ft
- Tile-on-tile application on floors
- New floor and wall tiling in interior areas

03 Suitable Tiles

- **Ceramic tiles**
- **Vitrified tiles**
- **Tile on tile**

04 Features & Benefits

- Very good adhesion
- Smooth, creamy texture
- Very easy to apply
- Bonds to various substrates
- Dual purpose: wall and floor
- Water clean-up when uncured
- Non-toxic
- Economical

05 Surface Preparation

Clean and roughen the surface before installing tiles and stones. The surface to be tiled must be clean and sound.

Old surfaces must be **free from grease, oil, wax** and similar contaminants. The surface must be structurally sound, stable and rigid enough to support the tile finish.

06 Mixing & Application

Water demand

Adjust water at site to reach the desired consistency

SANTEC BOND 304 POWDER	CLEAN WATER
20 kg bag	**4 – 5 litres**

1 Add water
Add 4 – 5 litres of clean water to a 20 kg bag of powder.

2 Mix
Stir well until a lump-free, homogeneous paste is obtained.

3 Adjust
Adjust water at site to reach the desired consistency.

4 Spread
Apply the adhesive evenly on the substrate.

5 Notch
Comb with a notched trowel to a uniform bed of 3 mm minimum.

6 Place tiles
Press tiles firmly, making sure the paste does not slip from the tile sides.

7 Back-butter
For exceptional performance, also apply on the tile back for full contact.

8 Grout
Allow tiling to set for 24 hours before filling joints.

07 Application Conditions

5–50 °C	3 mm	45 min	24 hrs	24 hrs
Application temperature range	Minimum bed thickness	Adjustability time	Before foot traffic	Before grouting

Cold weather: protect finished work from traffic until fully cured.

08 Technical Data

PROPERTY	VALUE
Appearance	Grey powder
Application temperature	+5 °C to +50 °C
Adjustability	45 minutes
Foot traffic	After 24 hours
Grouting	After 24 hours

PROPERTY	VALUE
Tensile adhesion	**≥ 0.5 N/mm²**
Shear adhesion (dry)	**1.0 N/mm²**
Tile adhesive standard	C2 (Type 2)
Coverage	45 – 50 sq ft / 20 kg at 3 mm bed
Shelf life	24 months, original packing, dry

09 Consumption

55–60 sq ft **per 20 kg bag** at 3 mm bed thickness

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

10 Pack Size

20 kg

Pack	**Bag**
Colour	**Grey**

11 Storage & Shelf Life

24 months from the date of manufacture in original, unopened packaging.

Store under cover in dry conditions, away from humidity, protected from extreme temperatures and direct sunlight.

> **Before you start:** always test on a small area first to confirm ease of application and the desired finish.

12 Annotations

- The surface must be structurally sound, stable and rigid enough to support ceramic/stone tile, thin brick and similar finishes.
- The substrate must withstand deflection under all live, dead and impact loads, including concentrated loads.
- During cold weather, protect finished work from traffic until fully cured.
- Use a good-quality brush, sponge, scrubber or white cotton cloth to avoid surface damage from discolouration.
- Clean the inner and outer surfaces of tools (spray pumps, water jets, mixers, grinders) to avoid damaging the surface and material.

13 Precautions & First Aid

⚠ **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 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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