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BUILD WITH CARE

TECHNICAL DATA SHEET

Santec

Bond Plus 405

Polymer-modified thin-set adhesive for tiles and natural stone on floors and walls, in dry and wet areas.

PACK
20 kg

COLOUR
Grey · White



Just Add Water | Floor & Wall | Dry & Wet Areas

C2TE	5–6 L	45 min	24 hrs
ADHESIVE CLASS	WATER PER 20 KG	ADJUSTABILITY	FOOT TRAFFIC & GROUTING

01 Product Description

Santec Bond Plus 405 is a polymer-modified, cement-based tile adhesive designed for heavy-duty fixing of ceramic tiles, semi-vitreous and vitrified tiles, glass mosaic and natural stone on wall and floor surfaces.

> **Versatile:** suitable for vertical and horizontal surfaces over cementitious substrates, in dry as well as wet areas.

02 Uses

- Fixing any tile on interior walls and floors
- Tile-on-tile application on walls
- Vertical and horizontal surfaces over cementitious substrates
- Indoor dry and wet areas

03 Suitable Tiles

- Ceramic & semi-vitreous
- Vitrified & fully vitrified
- Glass mosaic
- Natural stone
- Dense & large tiles
- Tile on tile

04 Features & Benefits

- Very good adhesion
- Single component, just add water
- 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 PLUS 405 POWDER	CLEAN WATER
20 kg bag	**5 – 6 litres**

1 Add water
Add 5 – 6 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 & white 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	C2TE (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 & White**

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

- Check that the colour meets the client's desired colour before application.
- Do a small trial area with the actual tile/stone at site and check for any colour ingress into the tile/stone.
- Many tiles/stones have high absorption, which may lead to wet patches or colour marks.
- 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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