SANTEC
BUILD WITH CARE

TECHNICAL DATA SHEET

Santec

Bond Extra 506

Premium high-polymer-modified tile adhesive for heavy-duty fixing of tiles, slabs and natural stone on interior and exterior walls and floors.

PACK 20 kg

COLOUR Grey



Interior & Exterior | Zero Slip | Stone & Large Tiles

C2TES1	5–6 L	50–60 sq ft	24 hrs
ADHESIVE CLASS	WATER PER 20 KG	PER 20 KG AT 3 MM	BEFORE GROUTING

01 Product Description

Santec Bond Extra 506 is a high-polymer-modified, cement-based tile adhesive designed for heavy-duty fixing of ceramic and vitrified tiles, slabs, natural stone and large-size tiles on interior and exterior walls and floors.

It resists thermal expansion, making it highly suited to exterior areas.

> **C2TES1 class:** improved adhesive with zero slip and extended open time.

02 Uses

- Tiles, marble, granite and other stones
- Interior and exterior walls and floors
- Exterior wall substrates such as plaster and concrete
- Heavy-duty and large-format installations

03 Suitable Tiles

- Ceramic & clay
- Vitrified & porcelain
- Glass mosaic
- Natural stone
- Marble & granite
- Large tiles & slabs

04 Features & Benefits

- Very good adhesion
- Zero slip
- Extended open time
- Bonds to various substrates
- Dual purpose: wall and floor
- Water clean-up when uncured
- Non-toxic
- Economical, easy to use

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 EXTRA 506 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

5–35 °C	3 mm	24 hrs	Int. + Ext.	Sound
Application temperature	Minimum bed thickness	Before grouting	Walls and floors	Clean, rigid, grease-free substrate

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

08 Technical Data

PROPERTY	VALUE
Appearance	Grey powder
Adhesive standard	C2TES1 (Type 3)
Water demand	5 – 6 L per 20 kg
Grouting	After 24 hours

PROPERTY	VALUE
Bed thickness	3 mm minimum
Coverage	50 – 60 sq ft / 20 kg at 3 mm
Shelf life	24 months, original packing, dry
Pack size	20 kg

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

The information above is believed to be accurate and represents the best information currently available to Santec Chemical Private Limited. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall Santec Chemical Private Limited be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, however arising, even if the company has been advised of the possibility of such damages. **Users must always refer to the most recent issue of the local product datasheet.**

SANTEC BUILD WITH CARE

CORPORATE OFFICE
Santec Chemical Pvt. Ltd.
Malappuram, Kerala, India

CALL
+91 7247 555 666

EMAIL
info@santechemicals.com

WEBSITE
www.santecchemicals.com