Bond for Life.®

Technical Data Sheet

SiegelBond XT20



Premium Flexible Tile Adhesive

White | Grey C2 S1

Product Description

SiegelBond XT20 is a high-performance, deformable cementitious tile adhesive with extended open time and no vertical slip. It is specifically designed for the installation of ceramic and porcelain tiles, including large format tiles, on internal and external floors and walls. Its highly thixotropic formulation allows heavy and large-format tiles to be installed on vertical surfaces without sagging and contains a low VOC content.

Product Advantages

- SiegelBond XT20 has extended open time.
- SiegelBond XT20 has a superior bond to concrete and masonry with no vertical slippage, perfect for wall applications .
- SiegelBond XT20 is suitable for large format tiles.
- SiegelBond XT20 is non-hazardous and low VOC compliance .
- SiegelBond XT20 is suitable for use in both internal and external applications with heavy traffic.

Areas of Application

- Interior and exterior tile installations up to 15mm bed thickness .
- Ceramic, porcelain, terracotta, quarry and clinker tiles .
- Stone and agglomerate materials (moisture-stable only) .
- Floors and walls, including uneven substrates.
- Underfloor heating and cooling systems.
- Heavy traffic floor areas .
- Tile-on-tile applications.
- Swimming pools or submerged applications.

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Application Data

Mixing Ratio	4.8 - 5L of clean water per 20 kg bag
Ready for grouting on walls:	After 4-8 hours
Ready for grouting on floors:	After 24 hours
Set to light traffic	24 hrs
Working hours	Up to 8 hours at +23C°
Pot Life	<2 hours
Application Temperature	5-35°c
pH of Mix	Approx. 12
Bed thickness	3-20mm
Open time	20 mins
Colour	Grey / White

Final Performance Data

Tensile Adhesion Strength (EN 1348)	Initial tensile strength	After heat ageing	After water immersion
	After 28 Days | 2.6	After 28 Days | 2.5	After 28 Days | 1.1

Consumption Estimate

Application Coverage	Trowel I 6x 6mm	Trowel I 10x10mm	Trowel I 12x12mm
	7-8 m2 per bag	4.5-5.5m2perbag	8-14m2perbag

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Surface Preparation

Before commencing work, substrates must be structurally sound, stable, cured, dry, and free from dust, grease, oil, paint, curing compounds, sealers, or any contaminants that may impair adhesion. Cementitious substrates must be fully cured and dimensionally stable. New renders should cure for a minimum of 7 days per 10 mm thickness. Cement screeds must be cured for at least 28 days unless manufactured with rapid-setting binders.

Gypsum-based substrates and anhydrite screeds must be perfectly dry (maximum residual moisture 0.5%), mechanically sound, and dust-free. These substrates must be primed with a suitable primer prior to tiling. Do not apply SiegelBond XT20 over timber, timber-based panels, metal, rubber, PVC, linoleum, or substrates subject to excessive movement or rising damp.

Mixing

Pour the required quantity of clean potable water into a suitable mixing container.

- White: 4.8 - 5L litres per 20 kg bag

Slowly add SiegelBond XT20 while mixing with a low-speed electric mixer (≤300 rpm) until a smooth, lump-free consistency is achieved. Allow the mix to stand for approximately 5 minutes, then remix briefly before use.
Once mixed, SiegelBond XT20 remains workable for up to 8 hours at +23°C. Higher temperatures may reduce working time.

Application

Apply SiegelBond XT20 using a suitable notched trowel selected according to tile size and substrate condition to ensure full adhesive coverage.
For optimal adhesion, first apply a thin contact layer using the flat side of the trowel, pressing the adhesive firmly into the substrate. Immediately follow by combing additional adhesive with the notched side of the trowel.

For:

- Exterior installations,
- Tiles larger than 900 cm
- Heavy traffic floors
- Uneven substrates
- Swimming pools or submerged applications

Back-buttering of tiles is recommended to achieve 100% adhesive coverage. SiegelBond XT20 is highly thixotropic and suitable for wall installations without tile slip, allowing installation from the top down without spacers.

Grouting and Sealing

Wall joints may be grouted after 4–8 hours and floor joints after approximately 24 hours, depending on site conditions.

Use cementitious or epoxy grouts suitable for the tile type and joint width. Movement and expansion joints must be filled with an appropriate elastic sealant.

Limitations

- Do not use on wet, dusty, contaminated, or friable substrates.
- Do not dilute the adhesive.
- Resistant only to the following: water, dilute acids, diluted caustic solutions, temporarily resistant to fuel, animal fats and oils,
- Will not prevent damage to flooring system induced by excessive moisture transmission due to environmental factors like water leaks.

Cleaning

Clean tools, equipment, and hands with water while the adhesive is still fresh. Once hardened, material must be removed mechanically.

Storage & Shelf Life

SiegelBond XT20 remains stable for at least 12 months if stored in a dry elevated area.
Please store in a locked location. Keep out of reach of children

Technical References

SiegelBond XT20 is manufactured and tested to Siegel Procedures, which are maintained in accordance with ISO 9001 Quality Standards. Safety Data Sheets are also available at siegeladhesives.com and should be read in conjunction with the instructionso n the packaging.

First Aid Treatment

Cement, when mixed with water or latex, may result in a corrosive solution to eyes and skin. If splashed in eyes of skin, flush thoroughly with water. Do not take internally. If ingested, drink 1-2 glasses of water to dilute. Do not induce vomiting. Consult a physician or poison control centre immediately. In the event of chemical emergency, spill, leak, exposure or accident, in Australia, contact:

Australian Poisons information centre:
24 hour service- 13 11 26
Police or Fire Brigade - 000
New Zealand poisons information centre
Phone: 1800 POISON (1800 764766)

Product Disclaimer

Since the use and application of this product is beyond our control, we cannot be held responsible for product field performance. The information presented above is the result of our considerable experience with this product but is not to be construed as a performance warranty. In every case we recommend that the customer conducts their own testing and accordingly determines, to their satisfaction, its suitability for their purpose under the operating conditions in which they will use the product/s.

For additional information, phone our Customer Service Centre on AU (02) 4858 1771 or NZ (09) 951 9552