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Technical Data Sheet

SiegelBond C10



Cementitious Tile Adhesive **Grey C1**

Product Description

SiegelBond C10 Tile Adhesive is a premixed cementitious tile adhesive containing cement, polymers, quartz minerals and additives. It is designed for bonding ceramic and porcelain tiles to floors and walls using the thin-set method and it is formulated for floor tiles and small-format wall tiles across a wide range of substrates.

Product Advantages

- Rigid bond strength
- Economy grade adhesive
- Ceramic and mosaic tiles
- Interior walls and floors

Areas of Application

- Interior and exterior floor applications.
- Concrete, cement renders/screeds, blockwork, rendered brickwork, plasterboard, fibre cement sheeting, and approved waterproofing membranes.
- Ceramic, mosaic, fully vitrified, porcelain, slate, and quarry tiles (not suitable for green marble).
- Thin or thick bed fixing of all tile types listed above.
- Note: not suitable for fixing tiles directly onto wooden floors

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Application Data

Mixing Ratio	4.8L of clean water per 20 kg bag
Ready for grouting on walls:	24 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	<1 Hr @ 20° C
Application Temperature	5-400C
pH of Mix	Approx. 12
Bed thickness	2 mm (wall) / 3 mm (floor)
Open time	10 mins
Colour	Grey

Final Performance Data

Tensile Adhesion Strength (EN 1348)	Initial tensile strength	After heat ageing	After water immersion
	After 28 Days | 1.0	After 28 Days | 0.6	After 28 Days | 0.8

Consumption Estimate

Application Coverage	Trowel I 6x 6mm	Trowel I 10x10mm	Trowel I 12x12mm
	4-6 m² per bag	2.9-4 m² per bag	2.2-2.9 m² per bag

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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.

- All building boards must be flat and firmly fixed.
- Painted surfaces must be scrabbled/abraded to expose at least 80% of the original substrate.
- Newly rendered/screeded surfaces must cure for at least 24 hours and have a wood-float finish.
- Old rendered/screeded surfaces must be thoroughly cleaned and have a wood-float finish.
- New concrete must cure for at least 1 week and should have a wood-float finish.
- Steel-trowel-finished concrete must be acid-etched or mechanically abraded prior to tiling.
- Old concrete surfaces must be thoroughly cleaned prior to tiling.
- Ensure all release agents are removed from concrete surfaces, especially on tilt-up slabs

Mixing

- Pour approximately 4.8 litres of clean water into a suitable mixing container per 20 kg bag.
- Slowly add SiegelBond C10 Tile Adhesive while mixing continuously with an electric mixer until a thick, creamy consistency is achieved.
- Allow the mixture to stand for 10 minutes, then remix before application.

Application

- Use a 6×6mm notched trowel for wall tiles up to 150×150mm.
- Use a 10×10mm to 12×12mm notched trowel for floor tiles larger than 150×150mm.
- Use a 6×6mm notched trowel for mosaic tiles.
- Tiles with lugs, grooves, or uneven backs must be butter-coated in addition to adhesive applied to the substrate.
- Minimum final bed thickness: 2mm for walls; 3mm for floors.
- Do not spread more than 1m² of adhesive at a time.
- Press tiles firmly into position before the adhesive skins, ensuring full bedding with no voids.
- Once laid, tiles must not be disturbed or subjected to foot traffic for 6 hours at 20°C.
- Tap tiles with a rubber hammer to eliminate any air bubbles between tile and surface

Limitations

- Do not apply at temperatures above 40°C or below 5°C.
- Do not allow the adhesive to surface-dry prior to laying tiles. If surface drying occurs, remove and re-apply fresh adhesive.
- Not suitable for fixing tiles directly onto wooden floors.
- Do not use on substrates subject to excessive movement or rising damp.

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 C10 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 C10 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 instructions on the packaging.

Health & Safety

May cause an allergic skin reaction. Causes serious eye irritation. Wear protective gloves and eye protection. IF ON SKIN: Wash with soap and water. IF IN EYES: Rinse continuously with water for several minutes. If skin irritation or a rash occurs: Seek medical advice/attention. If eye irritation persists: Seek medical advice/attention. Wash contaminated clothing before reuse. Keep out of reach of children. Contains aminosilane. May produce an allergic reaction. Safety data sheet available on request. For further health and safety information, check the latest safety data sheet.

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