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Technical Data Sheet

SiegelBond C15



Premium Cementitious Tile Adhesive **Grey C2**

Product Description

SiegelBond C15 Tile Adhesive is a grey polymer-modified cement-based tile adhesive designed for fixing ceramic tiles, porcelain tiles, and natural stone on both interior and exterior wall and floor applications. It provides re liable bonding strength, good workability, and long-term durability for general tiling installations, and is classified as BS EN 12004 Type C2

Product Advantages

- High rigid bond strength
- Porcelain and large format tiles
- Commercial and residential
- Demanding and difficult substrates
- Interior and exterior use

Areas of Application

- Interior and exterior walls and floors.
- Concrete and cement render/screed surfaces; blockwork and brickwork.
- Ceramic tiles, porcelain tiles, mosaic tiles, terracotta, and natural stone (non-moisture-sensitive types).
- Suitable for residential and light commercial projects.
- Note: not suitable for fixing tiles directly onto wooden floors

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Application Data

Mixing Ratio	4.7–5.0L of clean water per 20 kg bag
Ready for grouting on walls:	After 8 -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	5-40°C
pH of Mix	Approx. 12
Bed thickness	2 mm (wall) / 3 mm (floor)
Open time	30 mins
Colour	Grey

Final Performance Data

Tensile Adhesion Strength (EN 1348)	Initial tensile strength	After heat ageing	After water immersion
	A ter 28 Days | 1.5	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, all surfaces must be structurally sound, dry, clean and free from movement, oil, grease, wax, curing compounds, and any loose or contaminating materials. Cementitious substrates must be fully cured and dimensionally stable.

- All building boards must be flat and firmly fixed.
- Painted surfaces must be scabbled/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 have a wood-float finish.
- Steel-trowel-finished concrete must be acid-etched or mechanically abraded prior to tiling.
- Old concrete must be thoroughly cleaned prior to tiling.
- Ensure all release agents are removed from concrete surfaces, especially on tilt-up slabs

Mixing

Pour approximately 4.7–5.0 litres of clean water into a suitable mixing container per 20 kg bag.
Slowly add SiegelBond C15 Tile Adhesive while mixing continuously with an electric mixer until a thick, creamy, lump-free consistency is achieved. Allow the mixture to stand for 10 minutes, then remix briefly before application.

Application

Apply SiegelBond C15 Tile Adhesive using a suitable notched trowel selected according to tile size and substrate condition to ensure full adhesive coverage

For:

- Use a 6×6 mm notched trowel for wall tiles up to 150×150 mm.
- For tiles larger than 400×400 mm, use a minimum 12×12 mm notched trowel. Back-buttering may be necessary to ensure greater than 90% coverage.
- Do not spread more than 1 m^2 of adhesive at a time on properly primed surfaces.
- Press tiles firmly into position before the adhesive skins, ensuring full bedding with no voids.
- Periodically lift a tile to verify full adhesive coverage; re-lay if insufficient.
- 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.

Grouting and Sealing

Wall joints may be grouted after 8–24 hours; floor joints after approximately 24 hours, depending on site conditions. . Allow 24 hours after grouting before putting the area into service.

Limitations

- Do not use on wet, dusty, contaminated, or friable substrates.
- Do not dilute the adhesive.
- Do not apply at temperatures above 40°C or below 5°C.
- Do not allow the adhesive to surface-dry prior to laying tiles; remove and re-apply if this occurs.
- Not suitable for fixing tiles directly onto wooden floors.
- Will not prevent damage to flooring systems induced by excessive moisture transmission

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 C15remains 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 C15 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 instruction-so n the

Health & Safety

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