

Packaging



Mixing



Application



Uses



Substrates

Concrete
Screed & renders
Brick
Block
Cement and
gypsum building
boards
Approved acrylic
waterproofing
membranes

C1S1TE - Polymer-modified, cement-based, ceramic, porcelain and stone tile adhesive

Description

A polymer-modified, cement-based, ceramic, porcelain and stone tile adhesive formulated in two grades: rubber-modified and white mastic (without rubber), with non-slump and extended open time to adhere to common building surfaces.

Uses

A thick or thin bed, internal and external, floor and wall tile adhesive for fixing to firm, structurally sound building surfaces, i.e., concrete, screed and renders, brick, block, cement and gypsum building boards, and **Construction Chemicals** waterproofing membranes.

Features

- Conforms to AS ISO 13007.1 as a C1S1TE adhesive
- Non-slump
- Extended open time allowing longer positioning time make it easier to use

Coverage (Approximate)

7-8m² per 20kg bag using a 10mm notched trowel.

Surface Preparation

Surfaces to be tiled must be structurally sound, dry, clean and free from movement, oil, grease, wax, curing compounds and other contaminants. New concrete must be a minimum of 6 weeks old and wood float finished new render must be a minimum of 7 days old and have a wood float finish. Steel trowelled surfaces must be mechanically abraded. Building boards must be fixed according to manufacturer's instructions and relevant standards. Painted surfaces must be abraded to expose 80% of the substrate. Contaminated surfaces must be thoroughly cleaned prior to tiling. Clean/porous surfaces prime with **Primebond**. Non-porous surfaces prime with **Primax**. Damp substrates prime with **Epecrete**.

A guide to tile joint sizes

Internal minimum 2mm, external minimum 4mm or as specified by the tile manufacturer and AS3958.1. **Do not** fix tiles with tight joints. When grouting joints of less than 3mm we recommend mixing the grout with **Primebond**. Greater care is needed to place the grout deep into joints before pointing the joints to compact the grout surface.

Mixing

Mix with clean water using 5-6 litres to 20kg of powder. Place mixing water in the bucket and add powder gradually while mixing with a slow speed electric and mixing paddle until it has a thick, creamy consistency (without lumps). Allow to stand 5 minutes and remix briefly before use.

Application

Tiling must be in accordance with AS3958.1. Apply with a notched trowel:

- 6mm for mosaic and wall tiles to 150mm x 150mm
- 10mm for wall and floor tiles larger than 150mm x 150mm
- 12mm for 400mm x 400mm or larger

Tiles over 400mm x 400mm must be buttered before placing to ensure a full coverage and a better bond. The final bed thickness must not be less than 2mm for walls and 3mm for floors to accommodate movement.

Spread about 1 metre at a time and set the tile in place while the adhesive is still wet on the surface. Press tiles firmly in place using a slight, sliding motion. Tile must be firmly bedded into the adhesive so no voids occur beneath the tile.

Movement Joints

Install movement joints as required by AS3958.1 to prevent tiles from becoming drummy.

- At 5m centres in a grid pattern
- Over expansion and contraction joints in the substrate
- Over the junction between different substrates
- Around the perimeter of tiling
- At columns and vertical corners

Movement joints should be 6-10mm wide and filled with **Colour Seal** or **Sealflex**.

Grouting

Grout after the adhesive has set for 24 hours. Mix **Kemgrout** with **Primebond** for greater durability and for joints under 3mm. Grout joints should be a minimum of 2mm internally and 4mm externally.

Precautions

- Do not use in immersed applications or to bond moisture sensitive tiles.
- Apply adhesive at temperatures 10°C - 30°C
- Do not let the adhesive dry on the surface, remove while wet with a damp cloth or sponge.

Safety Precautions

- Non-toxic but contains cement and silica.
- Wear gloves, goggles and appropriate mask.
- Wash spill immediately with clean water.

Shelf Life

1 year.

The use is beyond the manufacturer's control, therefore liability is restricted to the replacement of material proven faulty. Workmanship must be carried out in accordance with AS3958.1. The manufacturer is not responsible for any loss or damage arising from incorrect usage.