

C2ETS1 Premium Large Format Tile Adhesive

DESCRIPTION

ProLite is a lightweight premium, flexible, very high strength, non slip/non slump tile adhesive used for wall & floor applications. Recommended over concrete, sand & cement screeds, green screeds cement render, existing tiles, fibrous cement sheeting, plasterboard as well as **WP-1, Speedcoat** and **ACT Australia** approved under tile waterproofing membranes. **ProLite** is suitable for internal and external applications including bathrooms, laundries, toilets, kitchens, existing tiles, decks & verandahs. **ProLite** is ideally suitable for adhering most types of tiles & porcelain including large format tiles.

FEATURES & BENEFITS

- ◇ C2-High Adhesion Strength
- ◇ E- Extended Open Time
- ◇ F- Fast Setting
- ◇ T- Non Slip/Non Slump
- ◇ S1-Good Flexibility
- ◇ ≤1mm crack bridging capability
- ◇ Primer infused Technology (IPT)
- ◇ White colour
- ◇ Accommodates thermal movement
- ◇ Hydrate curing
- ◇ Superior workability & rheology
- ◇ Water washable

SUITABLE FOR

- ◇ Large Format Tiles
- ◇ Existing Tiles
- ◇ Concrete (7 days)
- ◇ Green screeds
- ◇ Rendered surfaces
- ◇ Fibrous cement sheeting
- ◇ Plasterboard
- ◇ **WP-1** or **Speedcoat** and **ACT Australia** approved under tile waterproofing
- ◇ Areas covered under AS3958.1-2007

PERFORMANCE DATA

Exceeds the performance requirements of AS4992
Tensile adhesive strength 2.1MPa (after 28 days)

SUBSTRATE PREPARATION

All substrates to be tiled must be clean, dry, free from dust, wax, oil, grease, laitance, curing compounds, paints (inc overspray), coatings and all contaminants which may cause adhesion failure. Fibrous cement sheeting & plasterboard must be fixed as per manufacturers recommendations and should be sponged down with clean water to remove dust. Waterproof boards such as Scyon Secura and Cemintel ConstructaFloor must be primed with **PR-1** or **MBP** primers. If in wet area waterproof with **WP-1** or **Speedcoat**. Ensure all dust is removed prior to spreading **ProLite**. **WP-1, Speedcoat** or **ACT Australia** approved under tile waterproofing membranes must be fully cured prior to tiling. Concrete must be cured for 7 days. Sand and cement screeds and renders must be cured for 24 hours. If in doubt with any of above please contact **ACT Australia technical services**.

PRIMING

In normal circumstances no priming is required as **ProLite** has unique Infused Primer Technology (IPT). To test substrate sponge liberal amounts of water onto the substrate and ensure water absorption is taking place. If so, then only sponge down with clean water prior to spreading adhesive. If water is beading or no absorption is taking place, prime with **PR-1** or **MBP** impervious primer.

MIXING

13.5kg of **ProLite** lightweight powder will require approximately 5-6 litres of clean drinking water. Slowly add **ProLite** powder into a clean bucket with the measured water. Slowly mix with a quality drill & mixing paddle to ensure a smooth, lump free tooth paste consistency. Leave the mix for 5 minutes then re-stir. **ProLite** is now ready for use.

MOVEMENT JOINTS

Movement joints must be incorporated within the tiling system in accordance with AS3958.1-2007. Ensure movement joints are free of all adhesive and grout residue.

CLEAN UP

ProLite should be removed from the surface of tiles using a clean damp sponge while the adhesive is wet. Tools and equipment should be scrubbed clean with water while the adhesive is still wet.

POT LIFE

3 hours at 23°C and 50%RH
Setting time, 12hrs at 23°C and 50%RH

APPLICATION

All workmanship must be in accordance with AS3958.1-2007. After mixing adhesive, apply the adhesive with the appropriate size notch trowel for the application. Ensure to work the adhesive to the substrate for good adhesion. Adhesive should sit up and not slump whilst being wet and tacky prior to laying tiles. Open time is approximately 40 mins at 23°C. If the adhesive has skinned over prior to laying tiles then remove and apply fresh adhesive. Ensure over prior to laying tiles then remove and apply fresh adhesive. Ensure minimum adhesive bed thickness is 2mm for wall & 4mm for floor applications depending on size of tile. Do not tile in temperatures below 5°C and greater than 34°C.

GROUTING

Use **ACT Australia** recommended grouts. Including **Fusion Pro, Prism, GRT-20** or **GRT-4** White Wall Grout.

DRYING

Allow minimum 12hrs for the adhesive to cure and set prior to grouting. Impervious substrates such as waterproofing and/or non-absorbent tiles further curing time will be required depending site conditions and ambient temperatures.

COVERAGE

Approximately 10m² using a 6mm notch trowel on a good flat substrate. 7.5m² for 10mm notch trowel.

SHELF LIFE

Original packaging for up to 12mths when stored in a cool, dry environment off the floor.

LIMITATIONS

- ◇ Not suitable for continuous water immersion such as swimming pools, spas and ponds.
- ◇ Not suitable for tiling directly over 100% polyurethane or fibreglass waterproofing membranes.
- ◇ Not suitable for tiling directly over plastics and metals.
- ◇ Not suitable for tiling directly over Masonite, MDF, timber, plywood or particleboard.
- ◇ Not suitable for moisture sensitive stone such as green marble or manmade conglomerate products.
- ◇ External tiling should not exceed 2.7m in height.
- ◇ Suspended concrete slabs must conform to AS3958.1-2007 for maximum deflection. All post-tensioned concrete slabs must be treated as flexible substrate.
- ◇ If in doubt, **contact ACT Australia Technical Services** for further information and advice.

PRECAUTIONARY STATEMENTS

Prevention Statements - Do not breathe dust, Wear protective gloves, eye and face protection

Response Statements - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If skin irritation occurs, get medical advice/attention. Call a POISON CENTER or doctor/physician if you feel unwell.

Storage Statements - Store in cool, dry environment off the floor.

Disposal Statements - Dispose of contents/container in accordance with local regulations.