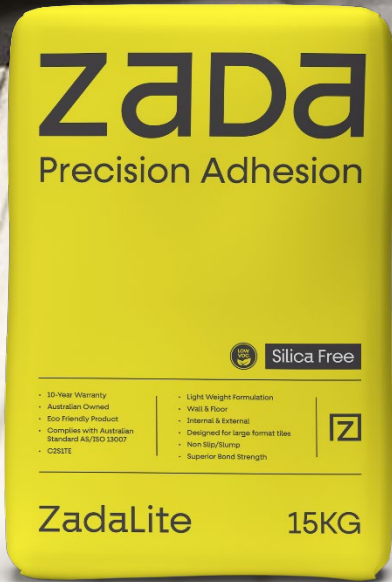


Zada

Precision Adhesion



- 10-Year Warranty
- Australian Owned
- Eco Friendly Product
- Complies with Australian Standard AS/ISO 18007
- CQSTE
- Light Weight Formulation
- Wall & Floor
- Internal & External
- Designed for large format tiles
- Non Slip/Slump
- Superior Bond Strength



ZadaLite 15KG

Technical Data Sheet: ZadaLite

Product Description

Zada Lite is a lightweight, high-performance powder-type tile adhesive formulated using a hybrid system of inorganic and organic binders. It provides enhanced bond strength, excellent flexibility, reduced structural load, and improved workability. Suitable for large-format tiles, low-absorption tiles, stone, and general interior/exterior tiling applications.

Zada Lite is formulated to be silica-free, supporting safer handling for installers and compliance with modern site safety requirements

Features

- Non-slip / non-slump performance suitable for large format tiles
- High adhesion for porcelain, polished porcelain, stone, and marble tiles
- Enhanced elasticity to accommodate substrate expansion/contraction
- Excellent water resistance and durability for interior/exterior areas
- Lightweight formulation reducing structural load
- Improved thermal resistance for enhanced performance in varying temperature conditions
- Improved workability and smoother application consistency
- Suitable for dry, wet, and non-absorptive substrates
- High crack resistance and reduced shrinkage

Uses

- Installation of polished porcelain tiles, stone tiles, and ceramic tiles on concrete or mortar substrates
- Tile installation in swimming pools, rooftops, and both interior and exterior areas
- Installation of non-absorptive tiles (below 1% water absorption) and tiling over uneven substrates using appropriate adhesion methods.
- Installation of large-format tiles
- Tiling on non-absorbing waterproofed surfaces (e.g., elastic waterproof coatings) with an appropriate primer applied beforehand
- Tile installation on floors subject to vibration or light loads, such as multi-use facilities

Product Specifications

Net Weight 15 kg

Shelf Life 12 Months (unopened, stored correctly)

Coverage

10 mm notched trowel: 5.0 – 6.0 m² per 15 kg (guidance only; varies with substrate, technique, and tile type).

Suitable Tile Types

- Ceramic
- Porcelain
- Polished Porcelain
- Stone
- Mosaic
- Natural stone tiles (including marble)

Consult Zada Australia before use with non-standard tiles or specially treated tiles (glazed, coated, mesh-sheeted, etc.).

Substrate Preparation

- Concrete/mortar substrates must be fully cured for at least 4 weeks
- Substrate must be even (up to 3 mm deviation over 2.4 m) and sharp protrusions removed
- Substrate must be clean and free from dust, grease, or other contaminants
- Absorptive substrates should be primed to improve bonding
- Substrate must be dry and free from surface moisture
- Highly absorptive substrates may be lightly pre-dampened to reduce excessive absorption
- Substrate should not be exposed to contraction or excessive vibration
- If substrate is heated by intense sunlight, cool by lightly spraying water before tiling
- Substrate must be structurally sound, durable, and compliant with relevant Australian Standards

IMPORTANT: All substrate preparation works and the installed substrate must comply with relevant Australian Standards.

Mixing

1. Gradually add Zada Lite to 4.5 – 5.5 L of clean water (adjust to tile size and application) and mix for at least 5 minutes to achieve a lump-free mixture.
2. Use the minimum water (around 4.5 L) for a thicker consistency suitable for large format tiling.
3. Allow mixture to stand for 5 minutes for polymer activation.
4. Re-stir before use.
5. Use mixed adhesive within the pot life.

Application

1. Trowel adhesive onto the substrate at approximately 45° using a 7 – 15 mm notched trowel.
2. Set tiles into place and press firmly into the adhesive using a sliding motion.
3. Complete tiling within the open time. Where conditions vary, re-assess open time to ensure adequate transfer to the back of the tile.
4. Ensure adequate coverage (typically at least 70% transfer to the back of the tile; increase for external and large format tiling). Use a rubber mallet as required.
5. If coverage is insufficient, use a larger notch trowel and/or back-butter tiles.
6. Use a double-buttering method for non-absorptive substrates, polished porcelain, tiles <1% absorption, or large format tiles.
7. For large format tiling, start from the lowest point and progress upward to prevent slippage. Use spacers for consistent grout lines.

Double Buttering Method

1. Prepare substrates as instructed above.
2. Trowel adhesive onto the substrate using a 7 – 15 mm notched trowel.
3. Trowel adhesive onto the back of the tile using a similar notch size to achieve full coverage. Press tile firmly into place using a sliding motion.
4. For double-buttering, aim for higher coverage (typically up to 90% depending on location and tile type).

Note on Movement Joints

Movement joints must be installed in compliance with AS 3958.1.

Packaging

15 kg bag.

Care should be taken and correct lifting/carrying techniques should be used at all times for safety.

Precautions

- Ensure backs of tiles are clean and dry before fixing.
- Adjust trowel notch size to suit tile size and substrate conditions.
- Perform tiling within the open time to achieve intended bond strength.
- Hot, dry or windy conditions may reduce open time.
- Re-trowel if the top layer has skinned or hardened; adhesive must remain moist to develop bond.
- Adjust tile positions within the adjustment time; later movement may reduce bond strength.
- Use double-buttering for undulated substrates, uneven-backed tiles, and low-absorption/large format tiles.
- Provide movement joints at perimeters, corners and at regular intervals in accordance with AS 3958.1.
- Protect tiling from impact, freezing conditions and moisture until adhesive has cured; grout only after curing.
- Consult Zada Australia before use with moisture-sensitive stone.
- Do not use for external wall tiling above 2.5 m without project-specific assessment.

Storage and Application Temperature

- Best performance when substrate and ambient temperature are between 5°C and 25°C.
- Store bags on pallets in a well-ventilated indoor area away from damp.

Technical Data

Classification	C2S1TE
Open Time	30 minutes @ 23°C
Pot Life	2 hours
Adjustment time	30 minutes
Ready for grouting	24 hours
Non-Slump	Conforms to AS / ISO 13007
Tensile strength (dry)	1.63 MPa at 28 days (C2)
Immersion	1.38 MPa
Heat aging	1.65 MPa
Transverse Deformation	≥ 2.5 mm and < 5 mm (S1)
Appearance (mixed)	Smooth, creamy adhesive / Tacky bright white

Health

Causes serious eye damage. May cause skin irritation. May cause respiratory irritation.

Safety & First Aid

- Avoid breathing dust or fumes. Use only outdoors or in a well-ventilated area.
- Wash thoroughly after handling.
- Wear protective gloves, protective clothing, eye protection, and face protection.
- **IF ON SKIN:** Wash thoroughly with plenty of water. Remove contaminated clothing and seek medical attention if irritation persists.
- **IF INHALED:** Remove person to fresh air and keep comfortable for breathing. Seek medical attention if symptoms persist or if you feel unwell.
- **IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do, then continue rinsing. Seek medical attention if irritation persists.
- **IF SWALLOWED:** Rinse mouth with water. Do not induce vomiting. Seek medical attention immediately.
- If you feel unwell, contact a doctor or the Australian Poisons Information Centre on 13 11 26 (24-hour service). In emergencies, call 000.

Notes

The details and recommendations contained in this data sheet are given in good faith and represent the best of our knowledge and experience at the time of printing. Product properties may change without notice.

Manufacturer's Warranty

Zada Lite is backed by a 10-year manufacturer's warranty when installed in accordance with Zada Australia specifications and Australian Standards.

Disclaimer

To the maximum extent permitted by law, Zada Australia disclaims all warranties in relation to any loss or damage resulting from use of out-of-date product, incorrect use of the product, or negligence. Liability is limited, at Zada Australia's discretion, to replacement or refund of product.