ABN 58 111 294 814

TERMORTAR Pty Ltd

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Installation Manual

21st April 2009

Termortar Pty Ltd

(Mortar, Slurry, Render, Grout & Screed)

Approval CSIRO TA 316

Approval CSIRO Test Report No:4591A

1. Product Description

Termortar is a termite proof mortar designed to create a physical termite barrier against the ingress of subterranean termites and is specifically designed to be used in conjunction with masonry and concrete products. Termortar may be used internally and externally and exceeds the requirements of **Australian Standards AS 3660.1 2000, AS 3660.3 2000, AS 3700. 2004 & Amendments , AS 2904 1995 and AS 3958.1 2007.**

2. Application Range

Location –	Internal, External
Performance Level –	Residential, Commercial and Industrial
Surfaces –	Concrete Floors & Walls
Substrates –	Concrete, cement render, screed, brickwork.

3. Product Range

Termortar Grey 20 kg bag	Barcode	9330209000206
Termortar Off White 20 kg bag	Barcode	9330209000190
Termortar Primer 5 litre bottle	Barcode	9330209000251

4. Areas of Application

a. Termortar is to be used in the lower courses of brickwork as a **(termite proof mortar)** until 75mm above finished ground level is reached.
b. Termortar is to be used over the lower courses of brickwork below finished ground level (retaining walls) and as a finished surface (above finished ground level) as a **(termite / water proof render).**
c. Termortar is to be used as a **(termite / water proof render)** over off-form concrete, AAC light weight concrete and composite styrene wall panel systems.
d. Termortar is to be used in Tilt Slab Panel Construction as a **(termite / water proof grout)**.
e. Termortar is to be used as a **(termite / water proof screed)** around pipe penetrations on the top of concrete slabs.
f. Termortar when mixed with Termortar Primer may be used as a **(termite /water proof slurry)** which is to be applied as a primer when specified in specific Termortar applications.

g. Termortar when mixed with Termortar Primer will make a **(termite/water proof slurry).** The **(termite/water proof slurry)** when applied in coats to a minimum thickness of 3-4mm is a termite proof and water proof barrier.
h. Temortar is used for repairing honeycombing and damaged areas in concrete slabs.

The above applications will create physical termite barrier systems which will meet the requirements of **Australian Standards (AS 3660.1 2000 Termite Management Part 1 New building work), (AS 3660.3 2000. Assessment Criteria) and (AS 2904.1995 and AS 4347.1:1995 Damp –proof courses and flashings).**

5. Workmanship

(a) (By Qualified Bricklayers). To Australian Standard AS 3700 / 2004 & Amendments).

(b) (By Termortar trained applicators). To Australian Standard AS 3660.1 2000

(c) (By suitably qualified tradesmen). To Australian Standard AS 3958.1 2007

(d) (By suitably qualified tradesmen) To Australian Standard AS 4347.1:1995

(e) (By suitably qualified tradesmen) To Australian Standard AS 2904.1995

6. Applications

(a) Mortar Joints

Solid and cored units shall be laid on a full bed of Termortar, Hollow units shall be face bedded. All vertical joints (perp-ends) in fully bedded masonry shall be filled with Termortar unless otherwise specified.

(c) Rendering Retaining Walls (By Termortar trained applicators and/or suitably qualified tradesmen). To Australian Standards AS 3958.1.2007 , AS 3700-2004 & Amendments) AS 2904 1995 and Australian standards AS 4347.1:1995.

- First apply a slurry coat using a roller, brush, or a flat trowel, to a maximum thickness of 2mm. While the slurry coat is still wet, apply render over it.
- Apply the Termortar with a wood flat trowel.
- Ensure firm pressure on the trowel to work the render into good contact with the surface. Recommended thickness of render is 3-10mm
- Renders are applied in the normal manner up to 13mm thick and allowed to take their initial set. Render in excess of 13mm should be applied in a two-coat operation..

(d) Rendering Off-Form Concrete

Firstly apply a slurry coat using a roller, brush, or a flat trowel, to a maximum thickness of 2mm. While the slurry coat is still wet, apply the Termortar render over the primed areas to the required thickness (min 3-4mm).

(e) Grout (as per AS 3958.1-2007),(AS 2904.1995) & (AS 3700-2004)

- First apply the slurry coat using a roller, brush or a float trowel, to a
- maximum thickness of 2mm. While the slurry coat is still wet, apply the grout mix.
- Apply the Termortar with a wood flat trowel or pointing tool.
- Ensure firm pressure on the trowel to work the grout into good contact with the surfaces.
- Recommended Termortar grout thickness for tilt slab panels is 15-50mm.

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(f) Screed for AAC panels / blocks and styrene wall systems.

- Apply one slurry coat and one screed coat to attain a thickness of 3-4mm to seal the AAC panelling / blocks and styrene wall systems.

(g) Screed for multicluster & single pipes.

- First apply the slurry coat using a roller, brush or a float trowel, to a maximum thickness of 2mm. While the slurry coat is still wet, apply the screed mix.
- Use a straight edge, trowel or timber batten to level the screed. Recommended minimum thickness of screed is 3-4mm.
- Screeds should be left with a wood float finish to create a key for tiling/waterproofing.
- For a thickness greater than 40mm, reinforcing mesh is required. When reinforcing the screed with galvanised mesh, apply first layer of screed, lay in the mesh and apply the second layer of the screed. Do not lay the mesh directly onto the substrate.

7. "V" Joint or Separation line.

The "V" Joint is to be used as a separation point between Termortar Render and Standard Cement Render the "V" joint will act as an inspection zone for the detection of subterranean termite mudding.

8. Mixing

(a). **Slurry** coat: Mix four parts Termortar to one part undiluted Termortar Primer by weight or (4 parts Termortar to 1 parts Termortar Primer by volume).

(b). **Mortar** mix 20kg Termortar to 3.75 – 4 litres clean water.

(c). **Render** mix 20kg Termortar to 3.75 – 4 litres clean water.

(d). **Screed** mix - Prepare a 1 part Termortar Primer to 3 parts clean water solution (by volume) and mix 20kg Termortar to 4.5 – 5 litres (primer & water mix).

(e). **Grout** mix – Prepare a 1 part Termortar Primer to 3 parts clean water solution (by volume) and mix 20kg Termortar to 2 – 2.5 litres (primer & water mix).

Note: The actual amount of liquid will depend on the desired consistency for the job and the ambient temperature (for any given consistency more liquid will be required at high temperature and less at low temperature). The variations in liquid supply when mixed with Termortar for (Mortar, Render, Screed & Grout) will meet the required hardness to act as a physical termite barrier against the ingress of subterranean termites.

9. Movement Control Joints

Expansion joints (closing control joints and articulation joints) shall be clean and free from any hard or incompressible material for the full width and depth of the joint (before backing rod and Alterm No More Solder Termite Proof Silicone (CSIRO TA 239) is inserted to prevent access of termites. Where expansion joints are located below ground level, they shall be completely filled with joint filler (No More Solder Silicone).

10. Installation Warranty

(a) The Installation warranty for the positioning of the Termortar shall be carried by the Termortar Accredited (Quality Assurance Certifier) or the builder on each building project.

(b) Installation certificates shall be supplied by Termortar however it is the responsibility of the (QAC and builder) to complete the certificates and forward to the appropriate council.

(c) A durable notice in accordance with BCA requirements (Clause B1.4 (i) &(ii) Volume 1 and Part 3.1.3.2 (b), Volume 2) is attached to the building which states that the Termortar is installed. The durable notice is to be supplied by Termortar and installed by the builder on each project.

11. Material Safety Data Sheets & Technical Data Sheets

Are available from Termortar Pty Ltd.

12. Shelf Life

Termortar shelf life is 18 months for unopened bags when stored in a cool dry environment and the expiry date is 18 months from the date of manufacture which is printed on the bag.

13. Product Warranty.

Termortar Pty Ltd (ABN 58 111 294 814) will supply a 50 Year product warranty on Termortar as supplied by Blue Circle Southern Cement Limited. The terms and conditions of the warranty are to be strictly adhered too.