

# LUMINOUS GROUT

FAST SETTING, VIBRANT COLOURED GROUT



## **DESCRIPTION:**

**RLA LUMINOUS GROUT** is an advanced, rapid setting ceramic tile grout developed using efflorescence free technology. Incorporating premium components, the unique respirable silica free formulation provides significant performance advantages over conventional cement based grouts including enhanced shrinkage reduction, abrasion resistance, colour uniformity, long term colour fastness and vibrancy. Displaying excellent workability and an ultra smooth finish, Luminous Grout ensures high levels of precision and flawless results for general and demanding applications where enhanced durability and long term performance is paramount. Luminous Grout is available in a range of designer colours, catering for various traditional and contemporary design styles.

## **FEATURES & BENEFITS:**

- Efflorescence free technology
- Respirable silica free formulation
- High abrasion resistance
- Excellent colour uniformity
- Extended colour fastness and anti-fading properties
- Shrinkage compensated
- Excellent water resistance and reduced water absorption
- Ultra smooth, silky finish reducing dirt retention and improved stain resistance
- Suitable for grouting tile joints up to 20mm wide
- Water and mould resistant, improving hygiene and long term appearance
- Extended open time
- Excellent workability
- Suitable for immersed applications
- Available in a broad range of colours
- Global Green Tag Certified with extremely low VOC levels

## **USES:**

Luminous Grout can be used for grouting the following tile types:

- Porcelain
- Ceramic
- Terrazzo
- Slate
- Quarry tiles
- Glass
- Natural stone (not moisture sensitive)
- Mosaics

## **AVAILABLE COLOURS:**

White, Alabaster, Misty Grey, Mudberry, Light Beige, Magellan, Travertine, Havana, Salmon, Mustard, Macchiato, Sky, Forest, Slate Grey, Charcoal, Black

## **PREPARATION:**

- Ensure the tile adhesive has sufficient time to cure/set before commencing grouting
- For tiles set on a thick bed of adhesive, ensure the adhesive has fully cured before grouting to minimize the chance of moisture affecting the grout colour
- Tile joints are to be free from dust, excess adhesive, bedding mortar, loose material and general contaminants before grouting
- Remove all spacers from the joints to allow the grout to fully penetrate the depth of the tile
- Test the ease of cleaning on tiles with textured or matte finishes before grouting to avoid damaging the tiles

**NOTE:** Refer to pertinent tile adhesive data sheets for specific drying times

**MIXING:**

- The mixing ratio for Luminous Grout is 960mls of water per 4kg bag of grout. This equates to 240mls of water per kg when mixing smaller quantities.
- Pour clean water into a clean pail and gradually add the grout while mixing continuously with a low speed electric mixer with paddle attachment until a smooth, lump-free, creamy mortar consistency is achieved
- Allow to stand for 3 minutes before lightly remixing before use
- Always add the powder to the liquid
- Ensure pail and tools are cleaned before a new batch is mixed to maintain pot life and workability

**APPLICATION:**

- Using a rubber trowel, work grout into tile joints and compact firmly to ensure grout is filled to the full depth of the joint
- Remove the excess grout from the surface of the tiles with the rubber float to minimise the amount left on the tile surface
- Allow the grout to firm up in the joint sufficiently - approximately 15-30 minutes before cleaning to not dislodge the grout in the joints and reduce washout
- Wipe the tile surface with a damp dense sponge, working diagonally across tile joints
- Use a minimal amount of water to avoid water float, shade variation and shrinkage
- Regularly rinse the sponge and squeeze it dry to assist the cleaning. It is advisable to use 2 different containers of water, one to remove excess grout from the sponge and the other to rinse the sponge
- Remove any dry film remaining on the tile surface by polishing the tile surface with a dry cloth, making sure no smears or grout residues are left on the surface
- When using externally, protect surfaces from extreme climate conditions for the duration of the application, cleaning and drying/curing of the grout

**DRYING TIME:**

- Light foot traffic: 3-4 hours
- Full service: 24 hours
- Immersed areas & chemical exposure: 3 Days

**IMPORTANT:** Drying times based on ambient conditions of 23°C and 50% relative humidity. Allow longer for dense tiles, wider joints, cooler temperatures or high relative humidity

**CLEAN UP:**

Clean all equipment with water immediately after use

**SHELF LIFE & STORAGE:**

- 12 months when stored in original unopened packaging
- Open product to be kept in an airtight container
- Best stored in a dry area at room temperature
- Keep off cold floors and out of direct sunlight

**PACKAGING:**

4 kg bags  
(Boxes of 4 x 4kg bags)

**LIMITATIONS:**

- Do not apply Luminous Grout when surface or ambient temperatures are below 5°C or above 35°C
- Do not use Luminous Grout for chemical resistant joints- refer to RLA epoxy grouts
- Certain types of tile may be prone to surface discoloration, e.g. some moisture sensitive natural stones or tiles with absorbent or textured surfaces. Porous face tiles e.g. terracotta, should be sealed prior to grouting to prevent staining
- In swimming pool applications, colours may bleach over time. For public pools RLA epoxy grouts are recommended
- For expansion or movement joints use a suitable RLA silicone sealant
- Due to the varying degrees of movement inherent in timber floors, it is recommended that Luminous Grout be mixed with diluted [RLA PLASTINEX](#) additive. Refer to the RLA PLASTINEX TDS for details
- For detailed advice on applications not mentioned in this TDS, contact the RLA Technical Department

**HEALTH AND SAFETY:**

For information and advice on the safe handling, first aid, storage and disposal of chemical products, users must refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data

| TECHNICAL DATA  |   |                   |
|---|---|-------------------|
| Colours:  | Assorted  |                   |
| Mixing Ratio:   | 240mls of water per kg of grout<br>960mls of water per 4kg bag  |                   |
| APPLICATION DATA - 20°C AT 50% RH   |   |                   |
| Note: Ambient and surface temperatures, humidity, tile and surface porosity and grout width will vary dry times |   |                   |
| Pot life:   | 20-25 minutes   |                   |
| Drying Time:  | Light foot traffic: 3-4 hours<br>Full Service: 24 hours<br>Immersed Areas & chemical exposure: 3 days |                   |
| Underfloor Heating:   | Yes   |                   |
| Application Temperature:  | +5°C to +35°C   |                   |
| MECHANICAL PROPERTIES (ISO 13007)   |   |                   |
| High Abrasion Resistance  | ≤1000 mm <sup>3</sup>   |                   |
| Shrinkage   | ≤3mm/m  |                   |
| Water absorption after 30 minutes   | ≤2g   |                   |
| Water absorption after 30 minutes   | ≤5g   |                   |
| CLASSIFICATION  | CG2WAF  |                   |
|   | COMPRESSIVE STRENGTH  | FLEXURAL STRENGTH |
| ≤ 24 hours  | ≥ 15MPa   | ≥ 2.5MPa          |
| 28 days   | ≥ 15MPa   | ≥ 2.5MPa          |
| After freeze/thaw cycles  | ≥ 15MPa   | ≥ 2.5MPa          |

|              |             |   |
|--------------|-------------|---|
| <b>LUM02</b> | WHITE       |    |
| <b>LUM82</b> | ALABASTER   |    |
| <b>LUM41</b> | MISTY GREY  |    |
| <b>LUM85</b> | MUDBERRY    |    |
| <b>LUM21</b> | LIGHT BEIGE |    |
| <b>LUM06</b> | MAGELLAN    |    |
| <b>LUM77</b> | TRAVERTINE  |    |
| <b>LUM80</b> | HAVANA      |    |
| <b>LUM39</b> | SALMON      |   |
| <b>LUM30</b> | MUSTARD     |  |
| <b>LUM88</b> | MACCHIATO   |  |
| <b>LUM14</b> | SKY         |  |
| <b>LUM19</b> | FOREST      |  |
| <b>LUM11</b> | SLATE GREY  |  |
| <b>LUM54</b> | CHARCOAL    |  |
| <b>LUM55</b> | BLACK       |  |

**WARRANTY STATEMENT:**

RLA Polymers guarantees this product against manufacturing defects and guarantees it to be manufactured to our published specification.

We certify that this product is suitable for use when fully cured and will perform as described in our technical data sheet or other published materials.

RLA Polymers will replace the product free of charge when purchased from any legally verifiable source and where a product is proven to have been stored, handled, and install according to instructions published on our packaging and within the stated shelf life. The Installation of all materials must be carried out in accordance with relevant Australian Standards.

Warranty doesn't apply if damage, loss, failure to follow instructions, or other circumstances are out of our control.

Sufficient time and access to investigate any complaint must be accorded to RLA Polymers.

The consumer is responsible for any expenses incurred in making a claim.

A claim form can be requested by:

**PHONE:** 1800 242 931

**EMAIL:** [info@rlapolymers.com.au](mailto:info@rlapolymers.com.au)

**MAIL:** 215 Colchester Road Kilsyth Victoria 3137  
(Attention Customer Service)

**WEBSITE:** [www.rlapolymers.com.au](http://www.rlapolymers.com.au)

**AUSTRALIAN CONSUMER LAW:**

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality, and the failure does not amount to a major failure. The benefits under our warranty are in addition to other rights and remedies available to the consumer under the law in relation to the goods and services to which the warranty relates.

**DISCLAIMER:**

All statements and technical information contained herein are based on tests we believe to be reliable, but the accuracy thereof is not guaranteed.

Users assume all risk and liability resulting from the use of the product and must confirm the suitability thereof by their own tests. Conditions of Sale contain a limited warranty against manufacturing defects.