



## HYDROBLOC G3

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### High Performance Tile Grout for 2–10 mm Joints Swimming Pool, Façade & Heavy Duty Applications

#### Product Description:

HYDROBLOC G3 is a high-performance cementitious tile grout incorporating Addiflex CSH Crystal Densification Technology, advanced polymer modification, and optimized particle packing technology. It is specifically designed for demanding applications requiring superior durability, low permeability, excellent abrasion resistance, and enhanced resistance to chlorinated and continuously wet service environments. HYDROBLOC G3 delivers long-term performance in swimming pools, water features, terraces, façades, and high-traffic commercial installations.

#### Key Features & Benefits:

- Addiflex CSH Crystal Densification Technology
- High polymer modification
- Excellent durability
- Reduced water absorption
- Enhanced abrasion resistance
- Improved chemical resistance
- Excellent colour stability
- Reduced efflorescence
- Chlorinated water resistant
- Freeze-thaw resistant
- Stearate-free formulation
- Long-term performance in wet and aggressive environments

#### Areas Of Application:

- Swimming pools and Water tanks\*
- Water features
- Spa facilities
- Porcelain tiles
- Natural stone\*
- Commercial developments
- Façades
- Heavy-duty flooring
- Exterior tiling

\*Subject to suitability assessment.



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### Surface Preparation:

Ensure tile adhesive has fully cured before grouting. All joints must be clean, dry, and free from dust, dirt, grease, laitance, and adhesive residues. Remove any contaminants that may affect grout adhesion, durability, or appearance.

### Mixing Instructions:

Add approximately 3.8–4.2 litres of clean water per 20 kg bag of HYDROBLOC G3. Mix thoroughly using a low-speed mechanical mixer until a smooth, homogeneous consistency is achieved. Allow the mixture to stand for 2–3 minutes, then remix before application. Do not add additional water once the grout begins to set.

### Application Guidelines:

Force the grout completely into the joints using a rubber grout float, ensuring thorough compaction to eliminate voids and achieve maximum performance. Remove excess grout from the tile surface and clean using a damp sponge after the grout reaches its initial set. Final polishing may be carried out once a light haze develops on the tile surface.

### Coverage/ Consumption:

Coverage will vary depending on tile dimensions, tile thickness, and joint width.

| Joint Width | Typical Consumption         |
|-------------|-----------------------------|
| 2 mm        | 0.20–0.35 kg/m <sup>2</sup> |
| 5 mm        | 0.50–0.80 kg/m <sup>2</sup> |
| 10 mm       | 1.00–1.60 kg/m <sup>2</sup> |

### Curing & Protection:

Protect freshly applied grout from direct sunlight, rain, contamination, and premature drying during curing.

- Initial Set: 4–6 Hours
- Light Traffic: 24 Hours
- Full Service: 7 Days
- Water Immersion: 7 Days

### Packaging:

Available in 20 kg moisture-resistant bags

### Storage & Shelf life:

Store in original unopened packaging under dry conditions away from moisture and direct sunlight. Shelf life is 12 months from date of manufacture.



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### Health & Safety:

Contains cement and may cause irritation to skin and eyes. Wear suitable gloves, eye protection, and protective clothing during handling and application. Avoid inhalation of dust. In case of contact with eyes, rinse immediately with clean water and seek medical attention if irritation persists. Keep out of reach of children.

### Technical Data:

| Property                       | Value                              |
|--------------------------------|------------------------------------|
| Appearance                     | Coloured Powder                    |
| Colour                         | Custom colors available on request |
| Joint Width                    | 2–10 mm                            |
| Water Demand                   | 18–21%                             |
| Pot Life                       | Approx. 60 Minutes                 |
| Application Temperature        | +5°C to +35°C                      |
| Initial Set                    | 4–6 Hours                          |
| Light Traffic                  | 24 Hours                           |
| Full Service                   | 7 Days                             |
| Water Immersion                | 7 Days                             |
| Compressive Strength (28 Days) | ≥ 30 MPa                           |
| Flexural Strength (28 Days)    | ≥ 6 MPa                            |
| Abrasion Resistance            | Excellent                          |

### System Compatibility:

HYDROBLOC G3 is specifically designed for use with:

- HYDROBLOC T1 Tile Adhesive
- HYDROBLOC T2 Tile Adhesive
- HYDROBLOC T3 Tile Adhesive

Together, these products form an integrated tile installation system incorporating Addiflex CSH Crystal Technology, providing enhanced durability, improved interface bonding, and long-term performance.

### Technical Disclaimer

The information contained herein is based on laboratory testing and practical experience. Actual performance may vary depending on substrate condition, application techniques, site conditions, and curing practices. Users should conduct suitability testing prior to full-scale application. Specifications may be modified without prior notice as part of ongoing product development.