PERMACOLOR® SELECT

PERMACOLOR® SELECT is an advanced high performance cement grout that offers the industry’s first dispensable dry pigment solution. PERMACOLOR® SELECT is designed for virtually all types of residential and commercial installations and offers optimum performance on the most demanding exterior or interior applications. Easy to mix, grout and clean, PERMACOLOR® SELECT is fast setting and is suitable for joints 1.5mm – 12mm) wide on floors or walls.

FEATURES/BENEFITS

▪ Exceeds ANSI A118.7
▪ Does not require sealing – Equipped with STONETECH® Sealer Technology
▪ Vibrant consistent color – minimizes efflorescence
▪ Reinforced with synthetic fibers – crack & shrink resistant
▪ Fast setting – ready for foot traffic in as little as 3 hours
▪ GREENGUARD® certified – low VOC
▪ Equipped with Anti-Microbial protection
▪ LATICRETE® Lifetime Warranty available
▪ PERMACOLOR Color Kit – Available in all 52 colors (5 x carton) plus top competitor colors!

USES

▪ Interior and exterior
▪ Submerged applications
▪ Tile or Stone grout

STANDARDS/CERTIFICATIONS

This product has a cradle-to-gate (with options) Product-Specific (Type III) Environmental Product Declaration. The PCR review, life cycle assessment and declaration were independently verified by UL Environment in accordance with ISO 14025, ISO 14040 and ISO 14044.

This product has been certified for Low Chemical Emissions (ULCOM/GG UL2818) under the UL GREENGUARD Certification Program For Chemical Emissions For Building Materials, Finishes and Furnishings (UL 2818 Standard) by UL Environment.
Packaging

PERMACOLOR® SELECT- 5.5 kg bag
COLOR KIT- 5x100 g cartons

Shelf Life

Factory sealed containers of this product are guaranteed to be of first quality for the time period listed below if stored off the ground in a dry area.

- 5.5 kg bags – one (1) year
- 5x100 g carton color kit – five (5) years

Limitations

- Adhesives/mastics, mortars and grouts for ceramic tile, pavers, brick and stone are not replacements for waterproofing membranes. When a waterproofing membrane is required, use a LATICRETE® Waterproofing Membrane (see Section 10 FILING SYSTEM).
- Use SPECTRALOCK® 2000 IG when chemical resistance is required.
- DO NOT use acid to clean colored grout joints.
- Job site conditions will affect the final color of colored grouts. Try a small test area to determine your results before grouting the entire installation.
- Certain types of tile are more absorbent than others and will trap color pigment during grouting. Prior to grouting, test for absorption of color pigment. Porous tiles will need to be sealed prior to grouting.
- Selecting other grouting materials: LATICRETE® has grouting materials designed for every use. For installations that require high strength and chemical resistance choose SPECTRALOCK® 2000 IG. This product is ideal for installations where a stain resistant colorfast grout is desired.

Cautions

Consult SDS for more safety information.
- During cold weather, protect finished work from traffic until fully cured.
- Contains Portland cement and silica sand. May irritate eyes and skin. Avoid contact with eyes or prolonged contact with skin. In case of contact, flush thoroughly with water.

- Grout may scratch soft glazed or polished surfaces. Conduct a test area to verify results.
- In submerged applications or steam rooms allow PERMACOLOR® SELECT to cure for 14 days at 21°C prior to filling with water or exposing to steam. See TDS 192 and TDS 172 for more information on these applications.
- Keep out of reach of children.

TECHNICAL DATA

Physical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tensile Strength (28 Days)</td>
<td>3.5 MPa</td>
</tr>
<tr>
<td>Compressive Strength (28 Days)</td>
<td>24.1 MPa</td>
</tr>
<tr>
<td>Flexural Strength (28 Days)</td>
<td>18.62 MPa</td>
</tr>
<tr>
<td>Linear Shrinkage (7 Days)</td>
<td>0.1 %</td>
</tr>
<tr>
<td>Water Absorption (28 Days)</td>
<td>2.8%</td>
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</tbody>
</table>

Working Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pot Life</td>
<td>45–60 min at 21°C</td>
</tr>
<tr>
<td>Final Set</td>
<td>3 – 4 hrs</td>
</tr>
<tr>
<td>Heavy Foot Traffic</td>
<td>6 hrs</td>
</tr>
</tbody>
</table>

Specifications subject to change without notification. Results shown are typical but reflect test procedures used. Actual field performance will depend on installation methods and site conditions.

INSTALLATION

Surface Preparation

Before starting to grout, remove spacers and debris in grout joints and remove dust and dirt using a wet sponge. Do not leave water standing in joints. Note: when grouting in hot weather refer to TDS 176 Hot Weather Tiling and Grouting. Substrate temperature must be between 5°C and 35°C. Apply grout release or sealer if necessary. Refer to TDS 400 Grout Guide for more information on grouting.

Mixing

Use approximately .1 L (17 ±1%) of clean potable water for 1 PERMACOLOR® SELECT COLOR KIT and 5.5 kg of PERMACOLOR® SELECT bag. Do not use with 1776 GROUT ENHANCER or any other latex additive. Place water in a clean mixing container. Remove Color Packs from the cardboard container as well as the protective plastic sleeve. The internal bag is a water-dispersible pack – when using
the 5.5 kg bag of PERMACOLOR® SELECT, drop color pack directly to water in clean mixing container. Mix with a drill mixer until pigment is dispersed evenly in container and the dispersible pack is no longer visible. Add PERMACOLOR® SELECT bag. Mix with a slow speed drill mixer (300 rpm) for 1 minute. Wait for 5 minutes and remix with drill for 1 minute.

**Application**

Clean tile surface with a damp sponge. Spread with a sharp, firm rubber grout float or wall float for narrow wall joints. To remove excess grout hold the float at a 90° angle and pull it at a 45° angle diagonally across the joints to avoid pulling out the material.

*Note: If the grout begins to stiffen during installation, remix with drill mixer for 10–15 seconds. DO NOT ADD MORE WATER.*

**Cleaning**

For first cleaning wait approximately 35 – 40 minutes at 21°C. Wider joints or cooler temperatures may extend wait time. Begin initial cleaning by lightly wiping down entire area to be cleaned with a damp sponge. Wash with a damp sponge (not wet). Work diagonally to the joints. Allow to dry 3 hours at 21°C. For second cleaning use a damp sponge or dry cloth to remove remaining grout haze.

*Note: Use caution when polishing soft glazed tile or polished stone. If grout is to be sealed, LATICRETE® generally recommends waiting a minimum of a 72 hours at 70°F (21°C) prior to sealing PERMACOLOR SELECT, with a STONETECH® sealer.*

**WARRANTY**

The supplier warrants that the product will not deteriorate under normal conditions and use. The warranty validity of one (1) year. Contact Technical Support for further information

**MAINTENANCE**

LATICRETE® products are of high quality designed to achieve lasting installations and avoid maintenance, however performance and durability may depend on properly maintaining products, depending of the cleaning products used.

**TECHNICAL SERVICES**

Technical assistance
For information contact: +39 059557680
info@laticreteurope.com

Technical and safety literature
To obtain technical and safety literature, please visit our website at www.laticrete.com

**Warning**

The information and the instructions in the data sheet, although based on knowledge gained through years of applications, are indicative. LATICRETE® unable to directly control the installation conditions and modalities of application of products, do not assume any liability arising from their implementation. Those who want to use the LATICRETE® products must conduct adequate tests to determine the site specifications. Results shown are typical but reflect test procedures used. Actual field performance will depend on installation method and site conditions.

**AVAILABILITY AND COST**

Availability
LATICRETE® materials are available worldwide. For distributor information, please contact LATICRETE EUROPE S.r.l. Telephone +39 059557680. For online distributor information, visit www.laticrete.com

Cost
Contact a LATICRETE® closer distributor to obtain complete information and cost.