



PERMACOLOR® Select*

DS-281-0724

**Globally Proven
Construction Solutions**



1. PRODUCT NAME

PERMACOLOR® Select*

2. MANUFACTURER

LATICRETE International, Inc.

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3. PRODUCT DESCRIPTION

PERMACOLOR Select is an advanced high performance cement grout that offers the industry's first dispensable dry pigment solution, now in a NEW formula featuring Water Dispersion Technology™, providing 20% more strength and 20% higher stain resistance. 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 1/16" to 1/2" (1.5mm – 12mm) wide on floors or walls. Equipped with Microban Anti-Microbial Protection.

Uses

- Designed for virtually all types of residential and commercial installations

Advantages

- Utilizing Water Dispersion Technology™, making a more dense and stronger grout joint
 - 20% increased strength(+) providing a higher compressive and tensile strength, longer life and resistance to wear and tear.
 - 20% enhanced stain resistance(+) for less maintenance while staying true to its original color
 - Easier to spread and clean means faster installations with less labor and hassle
 - Two-part system with base and dispersible dry pigment solution makes it easy to mix store and maintain.
 - Exceeds ANSI A118.7, the highest cementitious grout standard ensuring durability and stain resistance
 - Built with Microban® Antimicrobial protection to help inhibit the growth of mold and mildew in the grout*.
 - Never Needs Sealing - Equipped with STONETECH® Sealer Technology
 - GREENGUARD® Gold certified – low VOC
 - LATICRETE® Lifetime Warranty available
- (+): When compared to previous version of PERMACOLOR

* Use a suitable and regular cleaning regimen to ensure that any organic materials which may accumulate are removed from the surface of the grout.

Suitable Substrates

Packaging

Base - 10 lbs (4.5 kg) & 20 lb (9 kg) bags

Color Kits Carton - Contains 20 x 0.25 lbs (100 g)

Shelf Life

Factory sealed bags of this product are guaranteed to be of first quality for two years (2) if stored in a cool, dry place.

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.
- Note: Surfaces must be structurally sound, stable and rigid enough to support ceramic/stone tile, thin brick and similar finishes. Substrate deflection under all live, dead and impact loads, including concentrated loads, must not exceed L/360 for thin bed ceramic tile/brick installations or L/480 for thin bed stone installations where L=span length.

Cautions

- Consult SDS for more safety information.
- Protect finished work from traffic until fully cured.
- Contains portland cement and silica. Causes severe skin burns and serious eye damage. Wear protective gloves and eye protection. In case of contact, flush thoroughly with water.
- Do not take internally. Silica sand may cause cancer, respiratory irritation or serious lung problems. Do not breathe dust. Wear a respirator in dusty areas.
- 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 70°F (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.

4. TECHNICAL DATA

VOC/LEED Product Information

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.

Applicable Standard

- A118.7, ISO 13007

This product currently has a Product Specific (Type III) Environmental Product Declaration (EPD). The PCR review, life cycle assessment and declaration were

independently verified by UL Environment in accordance with ISO 14025, ISO 14040 and ISO 14044.

Physical Properties

Tensile Strength (28 Days)	510 psi (3.5 MPa)
Compressive Strength (28 Days)	4750 psi (32.8 MPa)
Flexural Strength (28 Days)	1400 psi (9.65 MPa)
Linear Shrinkage (7 Days)	0.065 %
Water Absorption (28 Days)	2.5%

Working Properties

Pot Life	45–60 min at 70°F (21°C)
Final Set	3 – 4 hrs
Heavy Foot Traffic	6 hrs

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.

5. 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 40°F (4°C) and 90°F (32°C). Apply grout release or sealer if necessary. Refer to TDS 400 Grout Guide for more information on grouting.

Mixing

Use approximately 1 – 1.1 quarts (0.95 L – 1 L) of clean potable water for one (1) PERMACOLOR Select Color Pigment Pod and 10 lbs (4.5 kg) of PERMACOLOR Select Grout Base. Use approximately 2 – 2.2 quarts (1.9 L – 2.1 L) of clean potable water and (2) PERMACOLOR Select Color Pigment Pods and 20 lbs (9 kg) of PERMACOLOR Select Grout Base. Place water in a clean mixing container. Remove Color Pack from the plastic gusseted bag. The internal pigment pod is a water-dispersible pack. Mix with a drill mixer until pigment is dispersed evenly in container and the dispersible pack is no longer visible. Add PERMACOLOR Select Base. Mix with a slow speed drill mixer (300 rpm) for 1 minute. The mix may look slightly dry during this time, but DO NOT ADD MORE WATER. The Water Dispersion Technology™ will take effect and wet out the product over the next 5 minutes during slaking. Wait the 5 minutes to slake and then remix with a 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 a margin trowel for 10–15 seconds. DO NOT ADD MORE WATER.

Cleaning

For first cleaning wait approximately 20 – 30 minutes at 70°F (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 70°F (21°C). For second cleaning use a damp sponge or dry cloth to remove remaining grout haze.

Note: Use caution when grouting 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.

6. AVAILABILITY AND COST

Availability

LATICRETE materials are available worldwide.

For Distributor Information, Call:

Toll Free: 1.800.243.4788

Telephone: +1.203.393.0010

For on-line distributor information, visit LATICRETE at laticrete.com

Cost

Contact a LATICRETE Distributor in your area.

7. WARRANTY

See 10. FILING SYSTEM:

- 25 Year System Warranty (US) (English)
- 10 Year System Warranty (US) (English)
- 5 Year System Warranty (US) (English)
- 1 Year Product Warranty (US) (English)
- LATICRETE Lifetime System Warranty (US) (English)

8. MAINTENANCE

LATICRETE® and LATAPOXY® grouts require routine cleaning with a neutral pH cleaner (e.g. STONETECH® Stone & Tile Cleaner) and water. Contact the cleaner manufacturer if another cleaner type will be used to ensure compatibility with the grout. Installation

performance and durability may depend on properly maintaining products supplied by other manufacturers. Routine maintenance can be done with detergents and a sponge or mop. For tough or difficult to remove soil, use STONETECH KLENZALL™ Cleaner (or a bleaching cleaner) on a nylon scrubbing pad or a long handled stiff bristle brush can be used. Please note: Prior to using any cleaning material on a tile, stone, etc. installation, test a discrete area or scrap piece of tile to ensure desired results. For additional information, please refer to TDS 400 Grout Guide and to TDS 113 Cement Grout Care & Maintenance for more information.

9. TECHNICAL SERVICES

Technical Assistance

Information is available by calling the LATICRETE Technical Service Hotline:

Toll Free: 1.800.243.4788, ext. 1235

Telephone: +1.203.393.0010, ext. 1235

Fax: +1.203.393.1948

Technical and Safety Literature

To acquire technical and safety literature, please visit our website at laticrete.com.

10. FILING SYSTEM

Additional product information is available on our website at laticrete.com. The following is a list of related documents:

- DS 230.13: LATICRETE Product Warranty
- DS 230.05: LATICRETE 5 Year System Warranty
- DS 230.10: LATICRETE 10 Year System Warranty
- DS 230.15: LATICRETE 15 Year System Warranty - for Steel or Wood Framed Exterior Facades
- DS 025.0: LATICRETE 25 Year System Warranty
- DS 230.99: LATICRETE Lifetime System Warranty
- DS 030.0: SPECTRALOCK® 2000 IG
- DS 236.0: 9235 Waterproofing Membrane
- DS 663.0: HYDRO BAN®
- K 20511: STONETECH Stone & Tile Cleaner
- K 20514: STONETECH KLENZALL Cleaner
- TDS 192: Installation of Ceramic Tile in Swimming Pools
- TDS 176: Hot Weather Tiling and Grouting
- TDS 400: Grout Guide
- TDS 172: Installation of Tile or Stone in Steam Rooms Over Backer Board
- TDS 113: Cement Grout Care and Maintenance for More Information

United States Invention Patent No.: 6,784,229 (and other Patents)

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