



PERMACOLOR® Select Color Kit

DS-36646-1222

**Globally Proven
Construction Solutions**

1. PRODUCT NAME

PERMACOLOR® Select Color Kit

2. MANUFACTURER

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3. PRODUCT DESCRIPTION

PERMACOLOR SELECT COLOR KITS are revolutionary pigment packs that mix with water and PERMACOLOR Select Grout Base as well as other LATICRETE products.

Uses

- Designed for virtually all types of residential and commercial installations

Advantages

- Consistent color
- Multiple uses to create color in places not normally seen pigmented
- Mixes with water only

Suitable Substrates

- Tile

Packaging

PERMACOLOR Select Color Kit Pigment Packs - 10 x .5 lb.(2x100 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. - 25 lbs (11.3 kg) & 12.5 lbs (5.6 kg) bags – one (1) year - 0.5 lbs (220 g) 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.
- 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 MSDS for more safety information.
- During cold weather, protect finished work from traffic until fully cured.
- Do not take internally.
- Keep out of reach of children.
- Please note that the color achieved by mixing the above mentioned combination may not exactly match the LATICRETE Grout Color Card (DS 254.3). Always conduct a test area to determine suitability and acceptability of both the performance of the installation and the visual effects.
- For rear mesh mounted glass mosaic tiles, it is recommended to check with the glass tile manufacturer or supplier to see if a latex-based cementitious adhesive can be used with their tile for a

particular application (e.g. swimming pool). Some adhesives used to bond the mesh to the back of the glass mosaic tile may not be suitable for submerged applications or may be sensitive to high pH.

- For the one-step installation of paper-face mounted glass mosaic tile, please refer to TDS 145 "Installation of Glass Mosaic Tile", for more information. Note: The performance properties (e.g. shear bond strength, compressive strength, absorption rate, etc...) and final color of the colored adhesive mortars may vary from properties shown in the product data sheets and the final color as shown in the LATICRETE Grout Color Card. The physical properties of these products are dependent upon proper and consistent mix ratios, installation techniques and jobsite conditions. Please verify performance and appearance with a job site test.

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

- ANSI A118.6, A118.7, ISO 13007
- 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.

Physical Properties

Tensile Strength (28 Days)	510 psi (3.5 MPa)
Compressive Strength (28 Days)	3500 psi (24.1 MPa)
Flexural Strength (28 Days)	1250 psi (8.62 MPa)
Linear Shrinkage (7 Days)	0.1 %
Water Absorption (28 Days)	2.8%

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

Refer to the specific LATICRETE products installation PDS for all installation guidelines.

When using with PERMACOLOR Select Grout:

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 2 – 2.25 quarts (1.9 L – 2.1 L) of clean potable water for the PERMACOLOR SELECT Color Kit and 25 lbs (11 kg) of PERMACOLOR SELECT Grout Base. Do not use with other latex additives. Place water in a clean mixing container. If using the 25lb bag, remove two (2) Color Packs from the cardboard container as well as the protective plastic sleeves. The internal bag is a water-dispersible pack – drop both color packs 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 the PERMACOLOR SELECT Grout Base. Mix with a slow speed drill mixer (300 rpm) for 1 minute. Wait for 5 minutes and remix with drill for 1 minute.

If using the 12.5 lb bag, drop only one (1) color pack into 1 – 1.1 quarts (.8L – 1.0 L) of clean water.

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:

Wait 35 – 40 minutes at 70°F (21°C). For wider joints or cooler temperatures wait longer (25 – 30 minutes) 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 using with polished soft glazed tile or polished stone.

If grout is to be sealed, LATICRETE generally recommends waiting a minimum of a 48 hours at 70°F (21°C) prior to sealing PERMACOLOR Select Grout[®], or any other cement-based grout; however, we suggest referring to the written recommendations of the sealer manufacturer to make the final determination, as certain sealers may require the cement grout to cure for an extended period of time.

When using with NXT Level DL:

When being used as an overlayment or wear surface, NXT Level DL can be pigmented with PERMACOLOR[®] Select color packets. It is recommended to start with two (2) color packets. Increase the amount based on your desired color. Remove color packets from the cardboard container as well as the protective plastic sleeve. The internal bag is a water dispersible pack, drop both color packets directly into the water in a clean mixing container. Mix with a drill mixer until pigment is dispersed evenly in container and the dispersible packet is no longer visible. Additional water is needed 0.5 qts. for every two (2) color packets added. Add the NXT DL powder and follow regular mixing instructions as per DS 87.5.

A sample application or mock up is always recommended to determine finish.

When using with GLASS TILE ADHESIVE LITE:

GLASS TILE ADHESIVE LITE: PERMACOLOR[®] Select Color Kits can be mixed with GLASS TILE ADHESIVE LITE as follows - Mixing GLASS TILE ADHESIVE LITE with PERMACOLOR[®] Select Color Kits requires 1 PERMACOLOR Select Color Kit (each PERMACOLOR Select Color Kit contains 2 individual color packets, use both color packets). Remove color packets from the cardboard container as well as the protective plastic sleeve. The internal bag is a water dispersible pack – when using the 12.5 lbs. (5.7 kg) bag of GLASS TILE ADHESIVE LITE, drop both color packets directly into 2.3 – 2.5 quarts (2.2 – 2.4 L) of potable water in a clean mixing container. Mix with a drill mixer until pigment is dispersed evenly in container and the dispersible packet is no longer visible. Add GLASS TILE ADHESIVE LITE and mix as directed above. Please note that additional water may be necessary when using PERMACOLOR Select Color Kits. See data sheet 36628.0 for more complete and up-to-date mixing information.

When using with (254) Platinum Adhesive (White only):

PERMACOLOR Select Color Kits can be mixed with 254 Platinum as follows - Mixing with PERMACOLOR Select Color Kits with 254 Platinum (white only) requires 2 PERMACOLOR Select Color Kits (each PERMACOLOR Select Color Kit contains 2 individual color packets, use

all 4 color packets). Remove color packets from the cardboard container as well as the protective plastic sleeve. The internal bag is a water dispersible packet – when using the 50 lbs. (22.7 kg) bag of 254 Platinum, drop all color packs directly into 5.5 quarts (5.2 L) of potable water in a clean mixing container. Mix with a drill mixer until pigment is dispersed evenly in water and the dispersible packet is no longer visible. Add 254 Platinum and mix as directed above. Please note that additional water may be necessary when using PERMACOLOR Select Color Kits. See data sheet 677.0 for more complete and up-to-date information.

When using with 257 Titanium™ Adhesive (White only):

PERMACOLOR Select Color Kits can be mixed with 257 TITANIUM (White) as follows - Mixing with PERMACOLOR Select Color Kits with 257 TITANIUM (white only) requires 2 PERMACOLOR Select Color Kits (each PERMACOLOR Select Color Kit contains 2 individual color packets, use all 4 color packets). Remove color packets from the cardboard container as well as the protective plastic sleeve. The internal bag is a water dispersible packet – when using the 25 lbs. (11.3 kg) bag of 257 TITANIUM, drop all color packs directly into 4.6 – 4.8 quarts (4.4 – 4.5 L) of potable water in a clean mixing container. Mix with a drill mixer until pigment is dispersed evenly in water and the dispersible packet is no longer visible. Add 254 Platinum and mix as directed above. Please note that additional water may be necessary when using PERMACOLOR Select Color Kits. See data sheet 292.0 for more complete and up-to-date information.

When using with MULTIMAX LITE™ Adhesive (White Only):

PERMACOLOR Select Color Kits can be mixed with MULTIMAX LITE as follows - Mixing with PERMACOLOR Select Color Kits with MULTIMAX LITE (white only) requires 2 PERMACOLOR Select Color Kits (each PERMACOLOR Select Color Kit contains 2 individual color packets, use all 4 color packets). Remove color packets from the cardboard container as well as the protective plastic sleeve. The internal bag is a water dispersible packet – when using the 25 lbs. (11.3 kg) bag of 254 Platinum, drop all color packs directly into 5.2 – 5.4 quarts (4.9 – 5.1 L) of potable water in a clean mixing container. Mix with a drill mixer until pigment is dispersed evenly in water and the dispersible packet is no longer visible. Add MULTIMAX LITE and mix as directed above. Please note that additional water may be necessary when using PERMACOLOR Select Color Kits. See data sheet 328.0 for more complete and up-to-date information.

When using with 253 Gold Adhesive (White Only):

PERMACOLOR Select Color Kits can be mixed with 253 Gold as follows - Mixing with PERMACOLOR Select

Color Kits with 253 Gold (white only) requires 2 PERMACOLOR Select Color Kits (each PERMACOLOR Select Color Kit contains 2 individual color packets, use all 4 color packets). Remove color packets from the cardboard container as well as the protective plastic sleeve. The internal bag is a water dispersible packet – when using the 50 lbs. (22.7 kg) bag of 254 Platinum, drop all color packs directly into 5.5 quarts (5.2 L) of potable water in a clean mixing container. Mix with a drill mixer until pigment is dispersed evenly in water and the dispersible packet is no longer visible. Add 253 Gold and mix as directed above. Please note that additional water may be necessary when using PERMACOLOR Select Color Kits. See data sheet 296.0 for more complete and up-to-date information. Please note that 253 Gold is not suitable for submerged or steam room applications, and is not recommended for installation of glass or glass mosaic tiles.

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:

- 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 the Grout Guide, TDS 400 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 (United States and Canada)
- DS 230.05: LATICRETE 5 Year System Warranty (United States and Canada)
- DS 230.10: LATICRETE 10 Year System Warranty (United States and Canada)
- DS 230.15: LATICRETE 15 Year System Warranty - for Steel or Wood Framed Exterior Facades (United States and Canada)
- DS 025.0: LATICRETE 25 Year System Warranty (United States and Canada)
- DS 230.99: LATICRETE Lifetime System Warranty
- TDS 192: Installation of Ceramic Tile in Swimming Pools
- TDS 176: Hot Weather Tiling and Grouting

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

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