



PERMACOLOR® Select NS Grout Base

DS-116.0-1216

Globally Proven
Construction Solutions



1. PRODUCT NAME

PERMACOLOR® Select NS Grout Base

2. MANUFACTURER

LATICRETE International, Inc.

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3. PRODUCT DESCRIPTION

An ultra premium, factory prepared, polymer fortified unsanded portland cement base grout designed for highly-delicate surfaces, such as high polish marble and soft glass. PERMACOLOR Select NS Grout Base should be mixed with water and LATICRETE COLOR KITS – the industry's first dispersible dry pigment solution. The only unsanded grout that exceeds ANSI 118.7. Formulated from a blend of high strength portland cement, polymers. Provides a grout joint that is dense, hard and durable in a multitude of colors.

Uses

For joints up to 1/4" (6 mm) between soft bisque glazed wall tile, non-vitreous clay tile, marble, stone and porcelain or glass.

Advantages

- Mix with water and desired PERMACOLOR Select Color Kit
- Equipped with STONETECH Sealer Technology
- Contains anti-microbial technology
- Excellent for wet and dry areas
- Non-dusting, non-spalling and non-yellowing
- Non-shrinking
- Easy maintenance

- Dense
 - Easy application and clean-up
 - No pre-soaking or wetting tile
 - No damp curing required
 - Available in 80 stocked colors including 40 LATICRETE colors, the top 10 competitor's colors and thousands of possible colors from the Sherwin-Williams® and Benjamin Moore® palettes in the PERMACOLOR Select ANYCOLOR™ Program.
 - For interior, exterior and submerged use
- * Sherwin-Williams and Benjamin Moore have no involvement with this program.

Packaging

8 lb (3.6 kg) carton; 4 cartons per carton; 44 cartons per pallet

Shelf Life

Factory sealed containers of this product are guaranteed to be of first quality for two (2) years if stored at temperatures >32°F (0°C) and <110°F (43°C) and off the ground in a dry area.

Limitations

- Do not use where chemical resistance is required. Instead, use SPECTRALOCK® 2000 IG.
- Do not use acid to clean colored grout joints.
- Do not allow grout to harden on the face of the tile; clean promptly.
- Jobsite conditions can affect the final color of colored grouts. Try a small test area to determine your results before grouting entire installation.
- Certain types of tile are more absorbent than others and may stain during grouting. Prior to grouting, test a tile with the grout selected.
- Use a grout release or sealer if required.
- PERMACOLOR Select NS Grout Base is designed to be mixed with water and (1) PERMACOLOR Select Color Kit packet of desired color. Do not mix other grout additives with this product. Use of other grout additives may result in color variation and reduced product performance and will void all LATICRETE warranties.
- 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 SYSTEMS**).

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.

- During cold weather, protect finished work from traffic until fully cured.
Contains portland cement. May irritate eyes and skin. Avoid contact with eyes or prolonged contact with skin. In case of contact, flush thoroughly with water.
- In submerged applications or steam rooms, allow PERMACOLOR® Select NS Grout Base to cure for 14 days at 70°F (21°C) before use of area and filing with water. See TDS 192 for more information on these applications.
- DO NOT take internally.
- Avoid breathing dust. Wear a respirator in dusty areas.
- Keep out of reach of children

4. TECHNICAL DATA

Applicable Standard

VOC/LEED Product Information

Total VOC Content pounds/gallon (grams/liter) of product in unused form is 0.00 lb/gal (0.00 g/).



Applicable Standard ANSI A118.7

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

PERMACOLOR Select NS Grout Base mixed with Water (70°F [21°C])

Test	Method	Results	Specification
Flexural Strength	ANSI A118.7 H-3.7	1000–1400 psi (6.9–9.7 MPa)	> 1000 psi (6.9 MPa)
Linear Shrinkage 27 days	ANSI A118.7 H-3.3	0.1–0.14 %	< 0.3 %
Tensile Strength 28 Days	ANSI A118.7 H-3.6	500–600 psi (3.4–4.1 MPa)	> 500 psi (3.4 MPa)
Compressive Strength 28 Days	ANSI A118.7 H-3.5	4500–5200 psi (31.0–35.8 MPa)	> 3000 psi (20.7 MPa)

Working Properties:

PERMACOLOR Select NS Grout Base mixed with Water (70°F [21°C])

Pot Life	50–55 min (set time 90 min)
Wet Density	16.27 lb/gal (1.95 g/cm ³)

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. Substrate temperature must be between 40°F (4°C) and 90°F (32°C). Refer to Grout Troubleshooting Guide for more information on grouting.

Mixing

Use approximately .9–1 qts (1.0–1.13L) of clean potable water for 8 lbs (3.6 kg) carton.

Then take (1) Pigment Packet from the PERMACOLOR Select Color Kit and place in the water and agitate until the pigment is dispersed within the water. Then add the PERMACOLOR Select NS Grout Base to the water and pigment and mix slowly either by hand or with a slow speed mixer to a smooth, stiff consistency. Allow to slake for 5– 10 minutes and remix for 1 minute.

Application

Dampen tile surface with water. Spread with a sharp, firm rubber grout float. Work the grout paste into the joints until completely filled. Use diagonal strokes to pack the joints. Ensure that joint is filled and grout is not just sitting on top (i.e. “bridging the joint”).

Cleaning

Grout Primary Cleaning—Remove excess grout from the face of the tiles with the edge of the grout float. Hold the float at a 90° angle and pull it at a 45° angle diagonally across the joints and tile to avoid pulling out the material.

Grout Secondary Cleaning—Remove remaining grout with a damp sponge (not wet) or a damp towel. Work diagonally to the joints. Allow to dry. When the grout joints are firm polish the surface with a coarse nylon pad or coarse cloth and minimal water.

Note: Use caution when polishing soft glazed tiles or polished stone.

Selecting Other Grout Materials

LATICRETE has grouting materials designed for every use. For maximum stain resistance in most installations choose SPECTRALOCK® PRO Premium Grout For installations that require high strength and chemical resistance choose SPECTRALOCK 2000 IG. These products are ideal for installations where a stain resistant, colorfast grout is desired.

6. AVAILABILITY AND COST

Availability

LATICRETE® and LATAPOXY® 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

www.laticrete.com

Cost

Contact a LATICRETE Distributor in your area.

7. WARRANTY

See 10. FILING SYSTEM:

DS 230.13 LATICRETE Product Warranty

8. MAINTENANCE

LATICRETE recommends using STONETECH® surface products to protect, clean and enhance stone, masonry, tile and grout

surfaces. Protect surfaces from common stains by using a STONETECH sealer such as STONETECH BulletProof® Sealer. Routine maintenance should follow with STONETECH Revitalizer® Cleaner and Protector or a neutral pH cleaner such as STONETECH Stone & Tile Cleaners. For tough or difficult to remove soil use STONETECH KlenzAll™ Cleaner, a nylon scrubbing pad or a long handled stiff bristle brush. For additional information, please refer to the Grout Guide, TDS 400 and 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. 235
Telephone: +1.203.393.0010, ext. 235
Fax: +1.203.393.1948

Technical and Safety Literature

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

10. FILING SYSTEM

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

DS 230.13: LATICRETE® Product Warranty
DS 030.0: SPECTRALOCK® 2000 IG
DS 681.0.: SPECTRALOCK PRO Premium Grout