



PERMACOLOR® SELECT

DS-2810-0524

**Globally Proven
Construction Solutions**



1. PRODUCT NAME

PERMACOLOR® SELECT

2. MANUFACTURER

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3. PRODUCT DESCRIPTION

PERMACOLOR® SELECT is an advanced high performance cementitious grout that offers the industry's first dispersible dry pigment solution, which is used with the neutral base. It 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, walls, or in submerged applications.

Uses

- For interior, exterior, and submerged applications
- For walls or floors
- For joints from 1.5 mm to 12 mm for porcelain and ceramic tiles, thin brick and stone
- For residential and commercial use
- For swimming pools, fountains, and other wet area applications

- Suitable for heated floors and walls

Advantages

- Dispersible dry pigment solution – combines the convenience of a neutral base with endless possibilities of colours (COLOR KIT)
- Reduced grout inventory value by ~50% – carry only the inventory you need, when you need it
- Reduces space requirements by ~80% – save pallet space in your warehouse by eliminating inventory of individual bags for each colour
- Can be custom colour-matched – endless combinations of colours for finishes and design accessories
- Fibre-reinforced – crack and shrink resistant
- Fast setting – ready for foot traffic in as little as 3 hours
- Vibrant consistent colour – minimizes efflorescence
- Low VOC (GREENGUARD® certified) — safe and easy to use
- Vibrant consistent colour with COLOR KIT — available in 40 standard colours
- Enhanced stain resistance – equipped with STONETECH® Sealer Technology
- Antimicrobial protection with Microban® — antibacterial and mould resistant

Suitable Substrates

- Ceramic Tile
- Porcelain tile
- Clay Tile
- Natural Stone

Packaging

Base - 5.5 kg bag

Color Kits - 5 x 100 g cartons

Shelf Life

Factory sealed containers of this product are guaranteed to be of first quality for two (2) years if stored off the ground in a dry area. *** High humidity will reduce the shelf life of bagged product.

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.

- Use SPECTRALOCK® 2000 IG or SPECTRALOCK® PRO PREMIUM GROUT when chemical resistance is required, depending on the application.
- DO NOT use acid to clean coloured grout joints.
- Job site conditions will affect the final colour of coloured 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 colour pigment during grouting. Prior to grouting, test for absorption of colour 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 colourfast grout is desired.

Note: Surfaces must be structurally sound, stable and rigid enough to support ceramic/stone tile, thin brick and similar finishes.

Cautions

Consult SDS for more safety information.

- During cold weather, protect finished work from traffic until fully cured.
- Contains 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 (on our website under Support & Downloads).
- 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.
- ÉMISSIONS DANS L'AIR INTÉRIEUR: A+

Applicable Standard

- EN 13888, CG2 WA
- ANSI A118.7
- ISO 9001:2015 Quality Management System

Physical Properties

Basis:	Cement, aggregates, additives		
Colour:	see color chart		
Apparent Density:	1.20 g/cm ³		
Maximum Grain Size:	0,3 mm		
Flammability:	No		
Classification EN 13888:	CG2 WA		
	Value	Requirements	Test Method
Abrasion Resistance:	~450 mm ³	≤ 1000 mm ³	EN 12808-2
Flexural Strength after Dry Storage:	~ 7,0 N/mm ²	≥ 2.5 N/mm ²	EN 12808-3
Flexural Strength after Freeze-Thaw Cycles:	~ 5,0 N/mm ²	≥ 2.5 N/mm ²	EN 12808-3
Compressive Strength Dry Storage:	~ 30,0 N/mm ²	≥ 15,0 N/mm ²	EN 12808-3
Compressive Strength after Freeze-Thaw Cycles:	~ 20,0 N/mm ²	≥ 15,0 N/mm ²	EN 12808-3
Shrinkage:	~ 1,5 mm/m	≤ 3 mm/m	EN 12808-4
Water Absorption after 30 minutes:	~ 0,2 g	< 2 g	EN 12808-5
Water Absorption after 240 minutes:	~ 1,0 g	< 5 g	EN 12808-5

Working Properties

Consistency:	creamy paste
Wet Density:	1.90 g/cm ³
Pot Life:	45 - 60 minutes
Application Temperature:	from +5°C to +35°C
Water Mixing Ratio:	~21,8% (5,5 l/bag)
Time to Foot Traffic:	3-4 hours
Time to Full-Service Conditions:	6 hours

(23°C / 50% RH)

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 5°C and 35°C. Refer to TDS 400 Grout Guide for more information on grouting.

Mixing

Use 1 Pigment Packet from the PERMACOLOR® SELECT COLOR KIT and place in 1.2 lt of water, agitate until dispersion within the water. Then add the 5.5kg bag of PERMACOLOR® SELECT to the coloured water and mix slowly with a mixer to a smooth, stiff consistency. Allow to slake for 5-10 minutes and remix for 1 minute. Pot-life is approximately 50-55 minutes.

Application

Apply the mix with a rubber spatula, working across the 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.

Wait for the grout to partially curl (become opaque in about 5-10 minutes) and proceed with the final cleaning of the surface of the tile using a damp sponge and rinsing it frequently. Clean the entire grouted area. Any streaks can be removed the next day with a dry cloth. Cleaning too early, when the grout is still damp and soft, may remove some of the grout from the joints and may cause variation in colour. It is recommended to apply in areas that are small enough to grout and clean before the grout dries out too much.

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

Wait 6 hours after grouting before putting the grouted flooring into service.

Cleaning

If necessary, to facilitate the removal of hardened grout it is advisable to start with a damp abrasive felt, before cleaning it with a damp sponge. If, after inadequate cleaning, the surface still has grout residues or strong marks, STONETECH® cleaner can be used to remove traces of grout from the tiles.

6. AVAILABILITY AND COST

Availability

LATICRETE® materials are available worldwide. For distributor information, please contact LATICRETE Europe S.r.l. a socio unico:
+39 059 535540
info@laticreteeuropa.com

For on-line distributor information, visit www.laticrete.eu.

Cost

Contact LATICRETE Europe S.r.l. a socio unico to obtain complete information and cost.

7. WARRANTY

The supplier warrants that the product will not deteriorate under normal conditions and use. The warranty validity of one (1) year. Contact Technical Services for further information. See 10. FILING SYSTEM:

- DS 230.13EU: 1 Year Product Warranty
- DS 230.10EU: 5-10-15 Years System Warranty

8. MAINTENANCE

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

9. TECHNICAL SERVICES

Technical Assistance

Information is available by calling or emailing the Technical Service Hotline:
+39 059 535540
technicalservices@laticreteeuropa.com

Technical and Safety Literature

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

Warning

The information and the instructions in the data sheet, although based on knowledge gained through years of applications, are indicative. LATICRETE® is unable to directly control the installation methods and conditions of products and does not assume any liability arising from their implementation. Those who want to use LATICRETE® products should 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.

LATICRETE® products are covered by a warranty within the limits of what is established by our general conditions of sale and within the limits of correspondence related to technical specifications and applicable certifications, as

expressly indicated in the product data sheets, documentation, or applicable technical documentation.

10. FILING SYSTEM

Additional product information is available on our website at laticrete.eu.