



PERMACOLOR® SELECT FINE

DS-1160-1024

**Globally Proven
Construction Solutions**



1. PRODUCT NAME

PERMACOLOR® SELECT FINE

2. MANUFACTURER

LATICRETE EUROPE S.r.l.

Via Paletti, 1, 41051

Castelnuovo Rangone MO, Italy

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3. PRODUCT DESCRIPTION

PERMACOLOR® SELECT FINE is an ultra premium, fine cement grout designed for highly-delicate surfaces, such as high polish marble and soft glass. It is suitable for joints up to 6 mm.

It is formulated from a blend of high strength Portland cement and polymers, and just needs to be mixed with water and LATICRETE® COLOR KITS — the industry's first dispersible dry pigment solution, which offers more vibrant and consistent colour.

Uses

- For interior, exterior, and submerged applications
- For walls or floors
- For joints from up to 6 mm for glass mosaic, 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

- Mix with water and desired PERMACOLOR® SELECT COLOR KIT
- Excellent for wet areas, including submerged applications
- Ideal for highly delicate surfaces such as marble and soft glass
- Enhanced stain resistance – equipped with STONETECH® Sealer Technology
- Contains anti-microbial technology – inhibits mould and bacteria growth
- Non-shrinking
- Vibrant consistent colour
- Low VOC (GREENGUARD® certified) — safe and easy to use
- PERMACOLOR® COLOR KIT– available in 52 standard colours

Suitable Substrates

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

Packaging

Base: 3.6 kg bag

Color Kits: 5 x 100 g cartons

Coverage / Consumption

APPROXIMATE KG PER M² OF TILED SURFACE

Formato (cm)	Spessore (mm)	Larghezza fuga (mm)			
		1	2	3	5
2x2	4	0.62	1.24	1.85	3.09
10x10	9	0.28	0.56	0.84	1.40
15x15	9	0.19	0.38	0.57	0.95
20x20	9	0.14	0.28	0.42	0.70
20x20	14	0.22	0.44	0.66	1.10
30x30	10	0.10	0.20	0.30	0.50
30x60	10	0.08	0.16	0.24	0.40
45x45	10	0.07	0.14	0.21	0.35
45x90	10	0.05	0.10	0.15	0.25
60x60	10	0.05	0.10	0.15	0.25
60x120	10	0.04	0.08	0.12	0.20
120x120	10	0.03	0.06	0.09	0.15
15x80	10	0.12	0.24	0.36	0.60
15x150	10	0.11	0.22	0.33	0.55
20x150	10	0.09	0.18	0.27	0.45
15x170	10	0.11	0.22	0.33	0.55
20x170	10	0.09	0.18	0.27	0.45
60x60	20	0.10	0.20	0.30	0.50
100x100	6	0.02	0.04	0.06	0.10
150x300	6	0.01	0.02	0.03	0.05

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.
- DO NOT use for joints larger than 6 mm.
- 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.
- DO NOT allow grout to harden on the face of the tile; clean promptly.
- 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.
- DO NOT mix other grout additives with this product. Use of other grout additives may result in colour variation and reduced product performance and will void all LATICRETE® warranties.
- 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.
- In submerged applications or steam rooms allow PERMACOLOR® SELECT FINE 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).
- DO NOT take internally. Avoid breathing dust. Wear a respirator in dusty areas.
- 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 colour chart		
Apparent Density:	0,95 g/cm ³		
Maximum Grain Size:	0,15 mm		
Flammability:	No		
Classification EN 13888:	CG2 WA		
	Value	Requirements	Test Method
Abrasion Resistance:	~ 500 mm ³	≤ 1000 mm ³	EN 12808-2
Flexural Strength after Dry Storage:	~ 9,0 N/mm ²	≥ 2.5 N/mm ²	EN 12808-3
Flexural Strength after Freeze-Thaw Cycles:	~ 8,0 N/mm ²	≥ 2.5 N/mm ²	EN 12808-3
Compressive Strength Dry Storage:	~ 25 N/mm ²	≥ 15,0 N/mm ²	EN 12808-3
Compressive Strength after Freeze-Thaw Cycles:	~ 20 N/mm ²	≥ 15,0 N/mm ²	EN 12808-3
Shrinkage:	~ 2,0 mm/m	≤ 3 mm/m	EN 12808-4
Water Absorption after 30 minutes:	~ 0,3 g	< 2 g	EN 12808-5
Water Absorption after 240 minutes:	~ 0,5 g	< 5 g	EN 12808-5

Working Properties

Consistency:	creamy paste
Wet Density:	1.80 g/cm³
Pot Life:	50 - 55 minutes
Application Temperature:	from +5°C to +35°C
Water Mixing Ratio:	~ 29,2% (1,05 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 approximately 1.0-1.1 L of clean potable water for 3.6 kg bag. Take 1 Pigment Packet from the PERMACOLOR® SELECT COLOR KIT and place in water, agitate until dispersed within the water. Then add the PERMACOLOR® SELECT FINE Grout Base 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.

Application

Dampen tile surface with water. Apply the mix with a rubber spatula/grout float, spreading material and working across the joints. 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

Primary Grout 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.

Secondary Grout 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.

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.

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

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® materials are available worldwide. For distributor information, please contact LATICRETE EUROPE S.r.l.:

+39 059557680

info@laticreteeurope.com

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

Cost

Contact LATICRETE EUROPE S.r.l 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:

- DS230.13EU: 1 Year Product Warranty (EN)
- DS 230.10EU: 5-10-15 Years System Warranty (EN)

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 059557680

technicalservices@laticreteeurope.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. T