POLY 500

POLYMER-MODIFIED SANDED GROUT

PROFIX

NATURE

POLY 500 meets or exceeds standard norm*:

ANSI

- ANSI A118.7 ☑

* See lexicon at the end

Description

PROFIX POLY 500 is a sanded grout made of hydraulic cement, graded aggregates, dry chemicals and polymers. It is used for joints 1/8" (3 mm) to 1/2" (12 mm) wide. POLY 500 grout is prepared by simply adding water and formulated for grouting dimensional and agglomerate stone, slate and granite, most types of ceramic, ceramic mosaics, brick pavers, as well as porcelain and clay tiles.

Characteristics
- Specially formulated against efflorescence and excessive washing
- Polymer-fortified
- Easy to install and clean
- For indoor and outdoor (additive required) applications
- Consistent and accurate grout colours
- Available in 30 different colours

Formats
2.2 kg (5 lbs) box – 12 per box
4.5 kg (10 lbs) box – 4 per box
11.33 kg (25 lbs) bag – 90 per skid
22.7 kg (50 lbs) bag – 49 per skid

Technical data @ 22°C

Pot life	1 hour
Initial set	12 hours
Final set	28 days
VOC level	0 g/L

Coverage chart Kilograms required

Dimensions	Surface	1/8" (3mm)	1/4" (6mm)	3/8" (9mm)
1"X 1" X 1/4"	100 ft²	22	37	50
2"X 2" X 1/4"	100 ft²	12	22	31
4"X 4" X 1/4"	100 ft²	7	12	18
4"X 4" X 3/8"	100 ft²	10	18	26
6"X 6" X 1/4"	100 ft²	4.5	9	12
6"X 6" X 3/8"	100 ft²	7	13	18
8"X 8" X 1/4"	100 ft²	4	7	10
8"X 8" X 3/8"	100 ft²	5	10	14
10"X 10" X 1/4"	100 ft²	3	5	7.5
10"X 10" X 3/8"	100 ft²	4	8	12
12"X 12" X 1/4"	100 ft²	2.2	4.5	6.5
12"X 12" X 3/8"	100 ft²	4	7	10
13"X 13" X 1/4"	100 ft²	2.2	4.5	6
13"X 13" X 3/8"	100 ft²	3	6	9
16"X 16" X 1/4"	100 ft²	2	3.5	5
16"X 16" X 3/8"	100 ft²	2.5	5	7.5

PROFIX

Tile and Stone Installation Systems

POLY 500

Polymer-modified sanded grout

Dimensions	Surface	1/8" (3mm)	1/4" (6mm)	3/8" (9mm)
18"X 18" X 1/4"	100 ft^2	2	3	4.5
18"X 18" X 3/8"	100 ft^2	2.2	4.5	6.5

Shelf life
PROFIX POLY 500: 24 months following production date (stored in a dry and heated area). Materials should be stored in a dry heated area on site at least 24 hours before the tile work begins.

Technical notes

- Do not use POLY 500 for grouting joints less than 1/8" (3 mm) wide; use POLY 600 unsanded grout instead.
- Before installing your tiles, make sure that they can be grouted using a sanded grout. Certain vitrified tiles require the use of unsanded grout (POLY 600) to avoid damaging them. Other highly porous natural stone tiles (e.g. slate, marble, limestone, etc.) must be sealed before grouting.
- The temperature should be maintained minimally at 10°C for 28 days to allow the cement to reach its final and complete cure, and therefore, all its strength.
- Do not use in submerged areas (pools, hot tubs or fountains).
- Do not use where chemicals and stain resistance is required. Use POLY 700 water-based epoxy instead.
- Make sure that the marble, granite or tiles are compatible for use with coloured grouts. Review the tile or marble manufacturer's literature and test the grout on a separate sample area before grouting to determine the product's suitability for coloured grouts.
- External factors may affect the colour shading of the grout, including joint width, the quantity and quality of water used for mixing and clean up, temperature and humidity, and cleaning methods. Because such factors are beyond the control of PROFIX, consistent shading of the grout cannot be guaranteed.
- Efflorescence: can occur with hydraulic cement-based grout. It takes place when an alkaloid or saline solution transmigrates through a porous material and is brought to the surface by water evaporation, forming a white powder on your joints. This reaction happens when there is too much water in the mix or when cleaning is excessive. To avoid this phenomenon, read the instructions below carefully.

Instructions

Underlayment

The underlayment is the most important step for a long lasting result. Refer to the "Good supports" technical bulletin on our website. The underlayment must meet the TTMAC and TCA standards.

Substrate preparation

Before grouting, wait until the mortar or adhesive under the tiles is completely dry as per manufacturer's recommendations. Joints must be clean and free of dust. Make sure that at least 2/3 of the height of the joints is mortar free so that the grout can properly adhere within the joints.

Mix

Before starting:

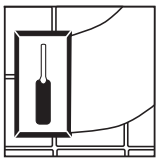
It is suggested to blend the mixture while dry to standardize the product. As you may know, the iron oxides contained in the grout are what gives it a particular colour. The large number of tiny particles scattered throughout the mixture gives the illusion of opaqueness. Therefore, if an area is cleaned twice and another area five times, there is a strong likelihood that the colours will not be uniform. For this reason, it is important to carefully manage your work to ensure that the joints are uniformly installed and washed.

In a clean container, pour in water and gradually add the powder. Mix slowly and thoroughly to obtain a thick and creamy consistency. Let sit for five minutes and mix again (you may use a blender - 300 rpm). If after some time the mix becomes harder to work with, mix it again, but do not add any more water. Avoid remixing too often as it reduces the life of the grout. Instead, mix smaller quantities at a time.

Although only water should be added to POLY 500 polymer-modified grout, LATEX 9022 additive can also be used to increase the grout's resistance to chemicals and bad weather. LATEX 9022 will also increase the grout's flexibility and darken its colour.

Ratio: Approximately 850 ml of water or LATEX 9022 per 4.5 kg of POLY 500.

Application



Use a rubber float and apply a firm pressure to completely fill the joints with grout. Remove excess grout on tiles also using a rubber float.

Cleaning

When the joints are thoroughly filled with grout, wait approximately 10 minutes before cleaning the surface. In a crosswise motion, wipe tiles with a damp sponge. Rinse your sponge and change the water often. Avoid spilling too much water on the tile surface as efflorescence may occur. The grout should come off easily. Do not rub excessively because it will empty your joints and decolorize your grout. Keep in mind that working consistently will ensure colour consistency. Promptly clean tools with water while material is still fresh.

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Curing

Avoid any circulation for 24 hours. Avoid washing the floor and the wall for 72 hours. If a residue remains on your tiles 24 hours after installation, use a dry cloth to wipe it off. If you have cleaning difficulties after the first 24 hours, use PROFIX POLYKLEEN CRETE CLEANER to remove any remaining residue (see POLYKLEEN CRETE technical data sheet before using).

Maintenance

For additional protection, it is highly recommended to seal your grout with AQUA XT or SCELLIX 18% sealers 14 days after installation. Your tiles should be sealed too. See your retailer for more information.

Warranty

This product is guaranteed for 1 year when used according to La Margna Inc., the TTMAC and the TCA instructions. An extension of this warranty is available. For more information, visit our website.

LEED

Leadership in Energy & Environmental Design (LEED) is a green building rating system that plans, develops, compares and certifies sustainable buildings around the planet. The Canada Green Building Council certifies the project in terms of total points obtained after verifications and an examination of the documentation submitted by the design and construction teams. POLY 500 can help to achieve the following credits

Indoor Environmental Quality:

IEQ Credit 3.2 option 3 - Reduce indoor air quality problems
IEQ Credit 4.1 - Low Emitting Materials

Materials and Resources:

MR Credit 5.1 - 10% extracted and manufactured regionally
MR Credit 5.2 - 20% extracted and manufactured regionally

Refer to the PROFIX website for letters of certification.

Caution

This product contains cement and silica that can irritate skin and eyes. Avoid prolonged contact with skin. In case of contact with eyes, rinse thoroughly with water.

Health and Safety

Refer to the MSDS on our website for handling recommendations.

Technical support

Questions? Call the PROFIX customer care team toll-free at: 1-800-463-6850 or e-mail us at: info@profixsystems.com

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Lexicon

Pot life: Maximum time the product can stay in the pail and remain usable. After this time, the product will be difficult to use and start to dry, making your work more difficult and the product much less effective.

Initial set: Minimum time recommended before allowing light circulation (e.g. the weight of one person) over the surface. Before that time, no circulation should be allowed.

Final set: Product's final set time.

ANSI:

Latex-Portland Cement Grout (ANSI A118.7-1999): A grout made with Portland cement, sand, pigments and mixed with a latex additive. May be supplied with a dry, redispersable latex additive in the packaged premixed grout in wich case the product may be referred to as a polymer modified grout. Latex additives reduce the water absorption of grouts, improve stain resistance and increase the bond strength to ceramic tile. Normally dry cured for 24 hours. Damp curing may be required under some conditions.