

# ECO GROUT™ S

Premium Sanded tile grout with polymers

## PRODUCT DESCRIPTION

ECO-GROUT S is a high-quality, polymer-modified sanded, Portland cement based grout that requires only the addition of water.

## ADVANTAGES

- Low water absorption
- Easy to clean
- Highly resistant to abrasion
- Resistant to UV rays
- One-pack product

## MULTIPLE USES

- Use on floors, walls, countertops, ceilings, showers, pools and spas.
- For grouting all types of ceramic tiles for both interiors and exteriors in wet and dry conditions.
- For grouting natural stone, slate, granite, and stone agglomerates.
- For submerged applications such as spas and swimming pools
- For joint widths from 1/8" to 3/4" (3 - 19 mm)

## SURFACE PREPARATION

- Tile must be firmly attached to a sound substrate and the adhesive mortar must be cured for a minimum of 24 - 48 hours before grouting.
- Remove all spacers, pegs and strings.
- Grout joints should be uniform in depth and width.
- Grout joints must be clean and free of dust, dirt, foreign matter, excess mortar and water ponds.

## MIXING INSTRUCTIONS

ECO-GROUT S should be mixed with 2 quarts (1.89 L) of clean tap water. Mix a bag of 25 lbs. (11.34 kg) of grout with a low speed mixer of approximate 500 rpm until achieving a lump free, paste-like, non-pourable consistency. Do not use any additive. If needed add up to one pint (473 ml) of water to adjust consistency. Let stand 10 minutes, re-mix before use. Discard grout when too stiff to work, about 2 hours.



## APPLICATION AND PLACING

Follow procedures stated in ANSI A108.10 "Installation of Grout in Tilework". Lightly dampen highly porous tile with clean, potable water and leave no standing water in the joints. Holding a rubber grout float at 45° angle, force ECO-GROUT S into the joints ensuring joints are completely filled. Remove excess grout from the tile surface using edge of float held at 90° angle, while the grout is still fresh. If stiffening of the grout occurs before all the material is used, simply remix but do not add any water. The grout surface should be flush with the tile edge. For cleanup use as little water as possible. Excess water will weaken the joint and cause variation in color, efflorescence, shrinkage and cracks or pinholes. Using clean water and sponge will provide better color uniformity. Change the water in the buckets frequently to limit the amount of haze forms on the tile or stone surface. Wait 2 hours before removing any haze from the tile surface with a dry cloth. Do not use acid for cleaning glazed tile, marble or colored grout. In floors, keep free from heavy traffic for at least 72 hours after placing the grout. In walls, protect from vibration and hammering occurring on adjacent and opposite walls for 14 days after the installation of tiles.

## HYDROPHOBIC PROPERTIES / MAINTENANCE

ECO-GROUT S contains special polymers to give the grout excellent hydrophobic properties which provides high resistance to mold and mildew growth. Sealing the grout is a good practice but not mandatory. When choosing a sealer, follow the instructions of the sealer manufacturer. The grout shall be cured for a minimum of 21 days before normal cleaning. To clean the tile surface use a neutral-pH cleaner followed by rinsing with clean water. Do not use aggressive chemicals or no-rinse cleaners to maintain or clean the tile or stone surface. Before the cleaning operation, consult the cleaner's manufacturer for compatibility, use and application instructions.

## STORAGE

12 months in a dry place

## COLORS

ECO-GROUT S is available in a range of colors. Consult your local representative for complete color range availability. External factors may affect the color shading of the grout; some of these factors are: varying joint widths and depth, quantity and quality of mixing and cleanup water, temperature, humidity, and cleaning procedures. Since these external factors are beyond the control of Carmelo, a consistent shading of the grout cannot be guaranteed.

## Approximate Coverages

For 25-lb. (11,3-kg) bag. Coverages in ft <sup>2</sup> (m <sup>2</sup> )						
Tile Size	Grout Joint Width					
	1/8" (3 mm)	3/16" (4,5 mm)	1/4" (6 mm)	3/8" (10 mm)	1/2" (12 mm)	5/8" (16 mm)
1" x 1" x 1/4" (25 x 25 x 6 mm)	51 (4,78)	36 (3,35)	28 (2,60)	20 (1,86)	16 (1,49)	14 (1,30)
2" x 2" x 1/4" (50 x 50 x 6 mm)	98 (9,14)	67 (6,23)	51 (4,74)	36 (3,35)	28 (2,60)	23 (2,14)
3" x 3" x 1/4" (75 x 75 x 6 mm)	145 (13,5)	98 (9,11)	75 (6,97)	51 (4,74)	40 (3,72)	33 (3,07)
4-1/4" x 4-1/4" x 1/4" (108 x 108 x 6 mm)	204 (19,0)	137 (12,7)	104 (9,67)	71 (6,60)	54 (5,02)	44 (4,09)
4" x 8" x 1/2" (100 x 200 x 12 mm)	135 (12,5)	91 (8,46)	69 (6,41)	47 (4,37)	36 (3,35)	29 (2,70)
6" x 6" x 1/4" (150 x 150 x 6 mm)	286 (26,6)	192 (17,8)	145 (13,5)	98 (9,11)	75 (6,97)	61 (5,67)
6" x 6" x 1/2" (150 x 150 x 12 mm)	151 (14,1)	102 (9,48)	77 (7,16)	52 (4,83)	40 (3,72)	32 (2,97)
8" x 8" x 3/8" (200 x 200 x 10 mm)	263 (24,4)	176 (16,4)	133 (12,4)	90 (8,37)	68 (6,32)	55 (5,11)
12" x 12" x 3/8" (300 x 300 x 10 mm)	393 (36,5)	263 (24,4)	198 (18,4)	133 (12,4)	101 (9,39)	81 (7,53)
13" x 13" x 3/8" (330 x 330 x 10 mm)	425 (39,5)	285 (26,5)	214 (19,9)	144 (13,4)	109 (10,1)	88 (8,18)
16" x 16" x 3/8" (406 x 406 x 10 mm)	523 (48,6)	350 (32,5)	263 (24,4)	176 (16,4)	133 (12,4)	107 (9,95)
18" x 18" x 3/8" (457 x 457 x 10 mm)	588 (54,7)	393 (36,5)	295 (27,4)	198 (18,4)	149 (13,8)	120 (11,2)
20" x 20" x 3/8" (508 x 508 x 10 mm)	653 (60,7)	436 (40,5)	328 (30,5)	220 (20,4)	166 (15,4)	133 (12,4)
24" x 24" x 3/8" (610 x 610 x 10 mm)	783 (72,8)	523 (48,6)	393 (36,5)	263 (24,4)	198 (18,4)	159 (14,8)

## Technical Data

Applicable Standard	A118.6
Physical State	Dry Powder
Pot Life at 73°F (23°C)	1 - 2 hours
Compressive Strength at 28 days	3,800 psi
Water Absorption	Less than 8%
Initial Set	3 hours
Final Set	5 hours
Density	122 lbs/ft <sup>3</sup>



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