



ColourTech™ U 9923

Unsanded Grout for Floor and Wall Ceramic Tile

Meets or exceeds ANSI A118.6 requirements

Product Description

ColourTech U 9923 is an unsanded, polymer-modified, Portland-cement tile grout. Mix with water only. *ColourTech U 9923* is for grouting tile on residential/commercial, interior/exterior floors, walls and countertops at joint widths of 1,5 to 3 mm (1/16" to 1/8") in dry and wet locations.

Features

- Mix only with water.

Uses

- Use to grout residential and commercial interior and exterior floors, walls and countertops in dry and wet locations. Can also be used for facades, fountains, terraces and pools.
- Use to grout most types of tile, including ceramic, porcelain, ceramic mosaics, brick pavers, slate, granite, stone agglomerates, glass, quarry and clay.
- Apply when the ambient and/or substrate temperature is between 10°C and 38°C (50°F and 100°F).
- Do not use to grout joints greater than 3 mm (1/8") wide. For these joints, use *ColourTech S 9924* (see Product Data Sheet for details).
- Do not use when a highly chemical-resistant or stain-resistant grout is required.
- Some glazed ceramic tiles, marble, granite and marble agglomerates, and porous surfaces can be permanently stained, scratched, dulled or damaged if grouted with pigmented grout. Take necessary precautions to ensure that marble, granite or tiles are compatible with colored grouts. To determine suitability of colored grouts, check the tile or stone manufacturer's literature and test grout

TECHNICAL QUICK REFERENCE

Product Characteristics

(at 23°C [73°F] and 50% relative humidity)

Type	Granular powder
Dry solid content	100%
Pot life	About 1 to 2 hours
Specific gravity (paste) ...	1,90
pH	Approximately 13
Packaging	Bags: 4,54 kg (10 lbs.) and 11,3 kg (25 lbs.)
Color	Available in a wide range of colors. See Chembond's grout card and grout chips for complete color range.

Factors such as varying joint widths, quantity/quality of mixing and cleanup water, temperature, humidity and cleaning procedures can affect grout color shading. Therefore, consistent grout shading cannot be guaranteed. Efflorescence (a whitish powder or surface crust) can occur with any Portland-cement product. Because *ColourTech U 9923* is made with Portland cement, efflorescence may occur. Follow industry-accepted cleaning procedures if efflorescence occurs.

Shelf life	24 months when stored in original sealed container at room temperature in a dry, well-ventilated area. Protect from moisture, freezing and excessive heat.
Cleanup	With clean water while fresh
Health and safety	Consult the Material Safety Data Sheet (MSDS) for safe-handling instructions.

on a separate sample area before application. It may be advantageous to apply a grout sealer first over certain tile or stone.

Note: Consult Technical Services (1-888-243-6263) for recommendations regarding conditions not listed.

Expansion and Control Joints

1. Provide for expansion and control joints where specified. Refer to the most recent TTMAC specification guide.
2. Do not cover or bridge any expansion joints with *ColourTech™ U 9923*.
3. Cut tile or stone on both sides along the edges of expansion joints.
4. Protect tilework with metal strips along both edges of structural building expansion joints.
5. Install the specified compressible bead and sealant in all expansion and control joints.

Preparation Before Grouting

1. Ensure that tile or stone is firmly set, and that adhesive or mortar is completely dry.
2. Removal all spacers, pegs, strings, etc.
3. Ensure tile and grout joints are clean and free of water, dirt, dust, etc.
4. Ensure that 2/3 of joint depth is available for grouting by removing excess adhesive or mortar.
5. Prevent grout color contamination by thoroughly cleaning the tile or stone surface prior to grouting.
6. Before mixing with water, dry-blend the grout to prevent color variations that may arise from pigment settling during transit. If two or more packages are used, dry-blend them together.

Mixing

Using a consistent mixing process will promote uniform results.

1. Add the following precisely measured quantity of cool, clean water to a mixing container for the mortar quantity indicated below:

Water	Grout
1,31 L (1.38 U.S. qts.)*	4,54 kg (10 lbs.)

**For floor application or if a more fluid grout is desired, add up to 136 mL (4.59 U.S. oz.) more water.*

Water	Grout
3,28 L (3.47 U.S. qts.)**	11,3 kg (25 lbs.)

***For floor application or if a more fluid grout is desired, add up to 340 mL (11.49 U.S. oz.) more water.*

2. Gradually add the specified quantity of mortar to the water while slowly mixing (at about 300 rpm).
3. To avoid shade variation in the finished grout joints, always add powder to water (consistent quantity from batch to batch) and be consistent in the mixing process.
4. Mix thoroughly (for about 3 to 5 minutes) to a homogenous and smooth consistency. Avoid prolonged mixing, which will trap air and shorten pot life.
5. Wait 10 minutes.
6. Remix (for about 2 minutes) without adding powder or water.
7. Some stiffening may occur before all material is used (approximately 1 hour). If so, remix but do not add more liquid.
8. Wash hands and tools with water.

Application

Note: A consistent application process will help ensure uniform results.

1. For easier grout application, slightly moisten the tile or stone surface just before applying grout, without flooding the tiles or allowing water to stand in grout joints.
2. Work grout into joints with a rubber float, ensuring that joints are compacted and free of voids.
3. Remove excess grout by pulling a rubber float diagonally across grout joints while grout is still fresh. Grout should be flush with tile edge.
4. Allow grout to solidify in the joints from 10 to 30 minutes (depending on temperature, humidity and absorption rate of tile or stone). Warmer floor temperatures may accelerate curing, whereas cooler temperatures may prolong curing.
5. Wash hands and tools with water.

Cleaning

1. Wet a sponge and wring out excess water.
2. Lightly pull one broad side of the sponge diagonally across tile surface (corner to corner) to remove grout residue and smooth the grout joint.
3. Rinse the sponge and wring out excess water. Change water frequently to prevent haze on the tile or stone surface.
4. Repeat steps 1 to 3 until the entire tile surface is clean.
5. To prevent efflorescence, discoloration and soft/powdery joints, avoid cleaning with excessive water.
6. After 1 to 2 hours, buff the tile and grout surface with a clean, dry cloth to remove any final haze, surface water or grout residue.
7. Do not use acid to clean grouted surfaces or for cleaning marble, glazed tile and pigmented grout surfaces, as acid can cause discoloration or permanent damage. If a persistent haze remains after normal cleaning, contact Technical Services for advice.

Protection

1. Provide for dry, heated storage on site and deliver materials at least 24 hours before tilework begins.
2. Protect tilework from adverse weather, freezing, and continuous-water conditions or immersion during installation and for at least 21 days after completion of tilework. See adhesive or setting system's Product Data Sheet for relevant information.
3. **Floors:** After grouting, protect from light foot traffic for 16 to 24 hours and from heavy traffic for 3 to 7 days.
4. **Walls:** Protect from impact, vibration and hammering on adjacent and opposite walls. See adhesive or setting system's Product Data Sheet for relevant information.
5. Because temperature and humidity (during and after tile installation) affect the final curing time of all cement-based materials, allow extra time for curing and protection when job-site temperatures drop below 16°C (60°F) and/or when relative humidity is higher than 70%.
6. For stain resistance, grout may be sealed per the sealer manufacturer's instructions.

Maintenance

1. Grout must be fully cured before regular cleaning.
2. For regular cleaning, use a mild detergent such as liquid dishwashing soap diluted with water.
3. Using harsh chemical cleaners or a high-pressure washing method to clean grout is not recommended. Contact Technical Services for more information regarding maintenance of this grout.

Colors

Grout chart colors are as accurate as printing technology will allow. Final grout color and texture will be unique to job-site conditions and installation techniques. Verify grout color within a test area before final installation.

We proudly support the following industry organization:



TILE SIZES — mm (in.)			COLOURTECH™ U 9923 GROUT COVERAGES* — m ² /kg (ft. ² /lb.)		
Width	Length	Thickness	1,5 mm (1/16") Minimum Joint Width	2,5 mm (3/32")	3 mm (1/8") Maximum Joint Width
25 (1)	25 (1)	6 (1/4)	1,05 (5.14)	0,69 (3.37)	0,51 (2.49)
50 (2)	50 (2)	6 (1/4)	2,74 (13.4)	1,81 (8.85)	1,27 (6.21)
108 (4.25)	108 (4.25)	6 (1/4)	5,22 (25.5)	3,48 (17.0)	2,60 (12.7)
300 (12)	300 (12)	10 (3/8)	8,66 (42.3)	5,78 (28.2)	3,75 (18.3)

**Coverages shown are approximate and are for estimates only. Actual coverage may vary according to tile size and thickness, joint width, job conditions and grouting methods. Contact Technical Services for coverage values not shown in this table.*

Grout Maintenance

MAPEI grout products are produced to the highest quality of standards. To maintain a clean tile surface, use a neutral-pH cleaner for maintaining the floor, followed by a clean-water rinse.

Do not use harsh chemicals or no-rinse cleaners (including enzyme-based no-rinse cleaners) to maintain the tile surface. Before proceeding with cleaning, consult the cleaner's manufacturer for compatibility, use and application instructions.

Important Notice

Before using, user shall determine the suitability of the product for its intended use and user alone assumes all risks and liability whatsoever in connection therewith. **ANY CLAIM SHALL BE DEEMED WAIVED UNLESS MADE IN WRITING TO US WITHIN FIFTEEN (15) DAYS FROM DATE IT WAS, OR REASONABLY SHOULD HAVE BEEN, DISCOVERED.**

CONTACT US

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