

ArtGrout 301

Sanded Colored Tile Grout



DESCRIPTION • *ArtGrout 301* is a polymer-modified, colored grout that is highly resistant to cracking, shrinkage and wear. Used for filling joints 3 to 12 mm wide, *ArtGrout 301* is a sanded grout (fine, medium, coarse) that gives joints various textured finishes.

USES • *ArtGrout 301* is suitable for grouting vitreous, semi-vitreous or absorptive tile including ceramic, pavers, cement, porcelain, brick and natural stone, filling grouts 3 to 12 mm wide. May be used in areas ranging from residential to heavy commercial in vertical as well as horizontal applications, and interior and exterior areas. It is suitable for use in commercial kitchens, food processing plants, residential floors, walls, showers and countertops.

ADVANTAGES •

- ✓ Meets ANSI A118.7 and A118.6 standards.
- ✓ Enhances the tile's color.
- ✓ Resistant to shrinking and cracking.
- ✓ Fills the tile joints thoroughly.
- ✓ Flowable and easy to work with.
- ✓ Available in many colors.
- ✓ Polymer modified and easy to work with.
- ✓ Single component; just add water.

COVERAGE • Coverage will vary depending on tile size, joint width and depth. Coverage rate in m²/kg:

Tile Size (mm)	Joint Width		
	3 mm	6 mm	9 mm
25x25x6	0.31	0.15	
50x50x6	0.62	0.31	
75x75x6	0.92	0.45	
100x100x6	1.23	0.62	0.41
100x200x6	1.64	0.82	0.55
100x200x9	1.10	0.55	0.37
100x200x12	0.82	0.41	0.27
150x150x6	1.84	0.92	0.62
150x150x9	1.23	0.62	0.41
150x150x12	0.92	0.46	0.31
200x200x6	2.46	1.23	0.83
200x200x9	1.64	0.82	0.55
250x250x6	3.10	1.54	1
250x250x9	2.05	1	0.68
300x300x9	2.45	1.23	0.82
300x300x12	1.84	0.92	0.62
330x330x9	2.66	1.33	0.89
400x400x9	3.3	1.64	1.1
400x400x12	2.46	1.23	0.82
450x450x12	2.77	1.38	0.92

TECHNICAL DATA •

Compressive Strength (ASTM C 109)	
28 days	20.4 MPa
Tensile Strength (ASTM C 307)	
7 days	3.1 MPa
28 days	5.6 MPa
Flexural Strength (ASTM C 580)	
7 days	7.11 MPa
Linear Shrinkage (ASTM C 531)	
1 day	0.10%
7 days	0.20%
Water Absorption (ISO 13007-4:2010)	
30 minutes absorption	0.2 g
240 minute absorption	0.3 g
Pot Life	1-2 hours
Initial Set	4 hours
Final Set	5 hours

Meets or exceeds ANSI A118.7 specification limits.

LIMITATIONS • *ArtGrout 301* SHOULD NOT BE USED WHERE CHEMICAL RESISTANCE IS REQUIRED; in such cases use 100% epoxy-based *MortCrete AB10*. Do not mix or apply if ambient temperature is expected to drop below 5°C during installation or in the proceeding 24 hours, or if rain is expected in the proceeding 24 hour period after application. Do not mix or apply when ambient temperature is expected to exceed 35°C. Avoid working in direct sunlight. Temporary protection from weather and other damage must be provided at all times until entire job is completed. Color variations in any Portland cement-based grout may occur due to variations in tile type, tile porosity, job conditions, and cleaning methods. Using excess amounts of water for cleanup will cause color variations, shrinkage, cracks, and pinholes. Efflorescence, a crystalline deposit that can occur with any Portland cement based product, may appear on cement grouts as a whitish powder or crust. If it does occur, remove with a sulfuric acid cleaner or grout haze remover. CAUTION: Chemicals used in salt-based water filtration systems may cause a reaction with blue, green and red grouts.

Certain tiles with high absorption, a porous surface, or rough texture may have to be sealed with *A-Z Penetrating Sealer* to prevent staining by the grout color. Test on a small area prior to installation.

SURFACE PREPARATION • Tiles must be firmly attached to a sound subsurface and tile adhesive

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must be cured a minimum 24-48 hours prior to grout application. Remove any loose material or dust from tiles and joints. Remove all spacers. Joints must be uniform in width and depth.

MIXING • Start with 750 ml of cool water. Mix in 5 kg of grout with margin trowel or low speed mixer (less than 300 RPM) to a lump free, paste-like, non-pourable consistency. Do not use additives. Add up to 200 ml of water to adjust consistency. Let stand 10 minutes, re-mix before use. Periodically re-stir during application. Do not add additional water once mixed as this might weaken the material; inconsistency in the mixing ratio between batches will also cause color shade variations. Do not use once material stiffens, discard all remaining amounts.

APPLICATION • Installation to conform to ANSI A108.10. Lightly dampen absorptive, porous tile with clean, cool water. Holding a rubber grout float at a 45° angle, force grout diagonally into joints until joints are completely filled. Remove excess grout using edge of float held at a 90° angle. Shaping joints and clean up can begin when grout can be slightly indented when pushed hard with your fingernail, about 10-20 minutes after application depending on tile type and ambient conditions. Use a damp, small pore grout sponge in a circular motion to smooth joints and clean excess grout from tile. Use as little water as possible. Wait 2 hours before removing haze from tile with a soft, dry cloth. Meets ANSI A118.6 specifications.

CURING • Proper curing is necessary for grout to achieve maximum strength. After final soft cloth polishing, wait 2 to 4 hours, then lightly dampen installation with clean, cool water and cover entire surface for a minimum 3 days with Kraft - type paper with edges lapped. If this is impractical, lightly mist grout several times a day for 3 days.

CLEANING • Clean all tools and equipment promptly with clean water.

STORAGE • Keep material covered and off the ground to prevent exposure to moisture. Store in a dry area. When stored at specified conditions in original unopened packaging, shelf life is 12 months from date of purchase.

SAFETY PRECAUTIONS • **KEEP OUT OF REACH OF CHILDREN. DO NOT TAKE INTERNALLY.** Portland cement and silica based products present health hazards. Irritating to eyes and skin. Use in adequate ventilation and do not breath dust. Contains silica aggregates (quartz). May cause delayed lung injury (silicosis). Use neoprene gloves and a dust mask when handling. **FIRST AID:** Eyes – Do not rub eyes, immediately flush with fresh water. Skin – Wash with soap and water. Inhalation – If experience difficulty breathing or if inhaled, move to fresh air. If symptoms persist, seek medical attention.

PACKAGING • 25 kg bag.