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# ARDEX DG 1™

## One-Component Grout

### Easy to use with enhanced color consistency

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Ready to use; can be used straight from pail with no additional water

For use in both commercial and residential applications

Use with porcelain, glass, quarry, ceramic and most natural stone (moisture insensitive) tiles

Stain resistant, water repellant and highly flexible

Use for grout joints from 1/16" to 1/2" (1.5 mm to 12.7 mm)

Easy to clean and apply

Low VOC formulation

Efflorescence free and crack resistant

Mold and mildew resistant

No sealer required

Thicker formula for easier vertical applications

Can be used on sensitive tile surfaces once tested and cures naturally from evaporation



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# ARDEX DG 1™

## One-Component Grout

### Suitable Applications

- Grout joints from 1/16" to 1/2" (1.5 mm to 12.7 mm)
- Dry or damp substrates (no standing water)
- Interior areas dry or intermittently wet, such as shower floors and walls (not submerged)
- Use with most common tile types (Not for moisture-sensitive tiles / stone, distressed or tumbled travertine tiles, pebble-stone or river-rock tile or irregularly shaped tile or stone)
- Not for high chemical resistance or specialized applications, commercial kitchens or other heavy industrial applications where fatty acids are present and/or where no-rinse enzymatic cleaners will be used, steam rooms or saunas or areas exposed to continuous high surface temperatures (greater than 140°F / 60°C, such as near fireplaces or wood stoves)

### Job Conditions

During installation and cure, substrate and ambient temperatures must be a minimum of 50°F / 10°C and a maximum of 85°F / 29°C.

### Step 1: Proper Prep™

The existing tiles / stone must be set firmly. Tile joints must be clean and free of all setting materials, dust, moisture and foreign matter. Clean the tile surface to remove contaminants that may discolor the grout.

Highly absorbent, textured or porous tiles may require sealing or treating with a grout release before grouting to prevent permanent staining

Grout joints must be clean and free of standing water, dust, dirt and foreign matter. Remove all tile spacers. Remove excess adhesive or mortar from the joint area so that 2/3 of the tile depth is available for grouting.

Following preparation, thoroughly vacuum to remove all excess dirt and debris.

### Step 2: Mixing and Application

#### Recommended Tools

High-quality rubber float · ARDEX sponge (or similar) · white Scotch-Brite® pad

#### Application Data

Times based on 70°F / 21°C. Drying time is a function of jobsite temperature and humidity conditions. Low substrate temperatures and/or high ambient humidity will extend the drying time. Adequate ventilation and heat will aid drying. Grout dry times are also affected by tile porosity and grout joint depth.

#### Minimum Cure Time Prior to Traffic

Light Foot Traffic:	24 hours
Normal Foot Traffic:	2 days
Full cure (stain resistance and intermittent water exposure):	3 days
Heavy Foot (Commercial) Traffic:	6 - 7 days

#### Color Variance

Actual grout color may vary when dry, depending on installation conditions, substrate, type of tile installed and other factors.

## **Agitation**

Product may need to be agitated if layer on top is too thick or if liquid is separated from sand. Agitate using a paint stirrer or hand-mixing tool for 5 - 15 seconds to allow easy workability. Do not use a drill.

## **Application**

Do not allow the material in the pail to sit open to air for a prolonged period.

Some types of tiles may be prone to scratching and surface discoloration when using grout. In accordance with industry standards, and to determine the suitability of the products for the intended use, always install an adequate number of properly located test areas.

Using a high-quality rubber float, work the grout into the joints until they are filled completely.

As work proceeds, remove all excess grout from the face of the tile using the rubber float, working at a 45° angle to avoid removing grout from joints.

Grout small areas (25 - 30 sq. ft. / 2.3 - 2.8 sq. m) at a time to prevent the grout from hardening on the surface of the tile. Clean grout from tile surface within 5 - 15 minutes, depending on jobsite conditions.

## **Joint Forming and Tile Cleanup**

After 5 - 10 minutes (70°F / 21°C), depending on temperature and humidity, and then continuously throughout the installation, cleaning as you go: The joints can be formed, and the residual grout on the face of the tile can be removed easily by using a lightly dampened sponge. Do not use excessive water.

Any dry film (haze) remaining on the tile surface can be removed easily by finishing or polishing with a dry or slightly damp terrycloth towel or sponge after the grout has hardened completely in the joints.

In extremely warm conditions where the residual grout is left on the tile for too long to re-emulsify, the residual grout can be loosened using a white Scotch-Brite pad. Apply gentle pressure to the pad, and work in a circular motion to loosen the grout. Carefully remove the slurry with a barely damp sponge, rinsing the sponge with clean water after each pass.

## **Sealing**

While not required, a penetrating grout sealer can be applied. Follow sealer manufacturer's recommendations for preparation, application and cure.

## Important Maintenance Notes

Although this product will resist staining and clean more easily than virtually all other cement-based grouts, it is not stain-proof and should be cleaned and maintained regularly to keep the installation looking its best.

Multiple uses of steam cleaners and/or power washers is not recommended.

## Notes

Intended for use by professional contractors who are trained in the application of this product and/or similar products. Not sold by ARDEX through home improvement centers. For information on ARDEX Academy trainings, visit [ardexamericas.com](http://ardexamericas.com).

Never mix with cement or additives outside of our written recommendations. Observe the basic rules of concrete work, including the minimum surface and air temperatures detailed above. Install quickly if the substrate is warm, and follow the warm weather installation guidelines available on our website. Observe the basic rules of tile work.

Dispose of packaging and residue in accordance with prevailing regulations. Do not flush material down drains. Do not reuse packaging.

For high chemical resistance and specialized applications, please refer to the ARDEX WA technical data sheet.

For commercial kitchens and other heavy industrial applications where fatty acids are present and/or where no-rinse enzymatic cleaners will be used, steam rooms or saunas or areas exposed to continuous high surface temperatures, please refer to the ARDEX WA technical data sheet.

## Technical Data According to ARDEX Quality Standards

Testing completed at 70°F / 21°C. Physical properties are typical values and not specifications.

<b>Shore A Hardness:</b>	≥60
<b>VOC:</b>	1 g/L, SQACMD 1168
<b>Packaging:</b>	1-gallon / 3.78 L pail
<b>Storage:</b>	Store in a cool, dry area. Do not leave units exposed to sun. Protect from freezing.
<b>Shelf Life:</b>	1 year, if unopened and properly stored
<b>Warranty:</b>	ARDEX L.P. Standard Limited Warranty applies. Also eligible for ARDEX SystemOne® Warranty when used in conjunction with select ARDEX tile and stone installation materials. See <a href="http://ardexamericas.com/services/warranties">ardexamericas.com/services/warranties</a> for full warranty details.

## Precautions

Carefully read and follow all precautions and warnings on the product label. For complete safety information, please refer to the Safety Data Sheet (SDS) available at [ardexamericas.com](http://ardexamericas.com).

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## Coverage

Coverage based on a 1-gallon / 3.78 L pail. Actual coverage may vary based on jobsite conditions, tile textures and installation methods.

Tile Size (inches)			Grout Joint Size (inches)							
Width	Length	Thickness	1/16	1/8	3/16	1/4	5/16	3/8	7/16	1/2
			0.0625	0.125	0.188	0.25	0.313	0.375	0.438	0.5
1	1	1/4	53.0	27.4	18.8	14.7	12.2	10.5	9.4	8.6
2	2	1/4	104.3	53.0	35.8	27.4	22.2	18.9	16.5	14.7
2	2	3/8	69.5	35.3	23.9	18.3	14.8	12.6	11.0	9.8
4 1/4	4 1/4	5/16	175.6	88.4	59.2	44.9	36.1	30.4	26.2	23.1
4	8	1/2	137.6	69.2	46.2	35.0	28.1	23.6	20.3	17.9
6	6	1/2	154.8	77.8	52.0	39.3	31.6	26.5	22.8	20.1
8	8	3/8	274.9	138.0	92.1	69.5	55.8	46.7	40.2	35.3
12	12	3/8	411.8	206.4	137.6	103.8	83.1	69.5	59.7	52.4
13	13	3/8	446.0	223.5	149.0	112.3	89.9	75.2	64.6	56.7
16	16	3/8	548.7	274.9	183.1	138.0	110.4	92.3	79.2	69.5
18	18	3/8	617.1	309.1	205.9	155.1	124.1	103.8	89.0	78.1
24	24	3/8	822.5	411.8	274.1	206.4	165.1	138.0	118.3	103.8

Tile Size (mm)			Grout Joint Size (mm)							
Width	Length	Thickness	1.5	3.0	4.5	6.0	7.5	9.0	10.5	12.0
			25	25	6	5.2	2.7	1.8	1.4	1.2
51	51	6	10.2	5.2	3.5	2.7	2.2	1.8	1.6	1.4
51	51	10	6.8	3.5	2.3	1.8	1.5	1.2	1.1	1.0
108	108	8	17.3	8.7	5.8	4.4	3.6	3.0	2.6	2.3
102	203	13	13.5	6.8	4.6	3.4	2.8	2.3	2.0	1.8
152	152	13	15.2	7.6	5.1	3.9	3.1	2.6	2.2	2.0
203	203	10	27.0	13.6	9.1	6.8	5.5	4.6	3.9	3.5
305	305	10	40.5	20.3	13.6	10.2	8.2	6.8	5.9	5.1
330	330	10	43.8	22.0	14.7	11.0	8.8	7.4	6.4	5.6
406	406	10	53.9	27.0	18.0	13.6	10.9	9.1	7.8	6.8
457	457	10	60.7	30.4	20.3	15.2	12.2	10.2	8.8	7.7
610	610	10	80.9	40.5	27.0	20.3	16.3	13.6	11.6	10.2

Visit [www.youtube.com/ARDEX101](http://www.youtube.com/ARDEX101) to watch ARDEX product demonstration videos. For recommended installation tools, visit DTA USA at [www.dtausagroup.com](http://www.dtausagroup.com). For easy-to-use ARDEX Product Calculators and Product Information On the Go, download the ARDEX App.



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