



ARDEX D 16TM

Type 1 & 2 Premixed Tile Adhesive

Use for setting quarry, ceramic, mosaic and moisture-insensitive stone tile

Sets porcelain tile over absorbent surfaces

Use for interior walls, floors, and countertops

Use to install tile in tub surround applications

Freeze-thaw stable*

Easy to use and apply

Low odor / Low VOC's

Good sag resistance. Hangs up to 12" x 12" tile



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ARDEX D 16™

Type 1 & 2 Premixed Tile Adhesive



Usage

For setting quarry, ceramic, mosaic and moisture-insensitive stone tile over interior surfaces. Also use for setting porcelain tile over absorbent interior surfaces.

Use over interior concrete, concrete block, drywall, plaster, brick and existing tile. ARDEX D 16™ TYPE 1 & 2 PREMIXED TILE ADHESIVE can be used for tub surrounds and in intermittent wet areas as well as in dry areas.

Description

White, ready-to-use tile adhesive (mastic) that meets or exceeds ANSI A 136.1, Type 1 & 2 requirements.

Substrate Preparation

All surfaces should be structurally sound, solid and free from any contaminant that can act as a bond breaker, including excessive moisture and/or alkali. Remove dirt, wax, loose paint and all foreign matter that would interfere with a good bond, such as curing agents and sealers.

Glossy painted surfaces and glazed ceramic must be abraded.

Refer to ANSI A 108 AN-2 "General Requirements for Subsurfaces" and the Tile Council of North America's "Handbook for Ceramic Tile Installation" for detailed information on surface preparation and guidelines for substrate construction. The plane of wall surfaces must be plumb and true. Floor surfaces must have minimal variation in plane or slope.

Should pre-leveling be required, use one of the materials listed below, as appropriate.

Product	Substrate
ARDEX AM 100™ Rapid Set Pre-Tile Smoothing and Ramping Mortar	Concrete
ARDEX Liquid BackerBoard® Self-Leveling Underlayment for Interior Wood and Concrete Subfloors	Concrete
	Wood
ARDEX TL 1000™ Self-Leveling Underlayment	Concrete
ARDEX SKM™ Skimcoat Patch and Finishing Underlayment	Concrete
	Wood
Per ANSI A 108 AN3.7, expansion joints must be provided over existing moving joints and moving cracks and where substrate materials change composition or direction.	

Application

Stir any liquid that may have pooled on the surface into the adhesive. Select the proper trowel notch based on the tile being installed. Spread the adhesive fully and evenly with the flat side of a trowel to obtain a good mechanical bond. Do not leave any bare spots. Comb back through the adhesive with the notched side of the trowel. Apply to an area no greater than can be covered with tile while the adhesive remains plastic (approximately 1-hour open time, depending on substrate and job site conditions). Install tile immediately. Do not spread more adhesive than can easily be covered in 60 minutes. Do not allow the adhesive to skin over.

Most wall tiles up to 12" x 12" should be able to be installed without slipping. Quarry tiles over 8" x 8" may slip slightly while being installed. Very heavy tiles may also slip slightly.

The maximum size of floor tile to be installed is 6" x 6". Firmly press the tile into the adhesive to obtain maximum contact between the back of the tile and adhesive. Remove any adhesive residue from the face of the tiles and the joints immediately after setting the tile.

Installation should proceed in accordance with ANSI A108.5. High temperatures will shorten the working and drying times. Low temperatures will extend these times. Use ARDEX D 16 only when the substrate and ambient temperatures are over 50°F (10°C).

Grouting

Allow floor tile installations to dry for 48 hours before grouting. Wall tile installations can be grouted after 24 hours. ARDEX recommends the use of ARDEX DG 1™ One-Component Grout, ARDEX FL™ Rapid Set, Flexible, Sanded Grout, ARDEX FH™ Sanded Floor and Wall Grout, ARDEX FG-C™ Unsanded Floor and Wall Grout or ARDEX WA™ Epoxy Grout and Adhesive, as appropriate in accordance with ANSI A 108.10.

Notes

Do not use for lug-back ceramic tile or pre-grouted wall tile sheets.

Glossy painted surfaces and glazed ceramic tile must be abraded.

Do not use over mortar beds, in gang showers, or over walls made of plywood, or particleboard.

Use ARDEX X 77™ MICROTEC® Fiber Reinforced Tile and Stone Mortar to set non-porous tile on non-porous substrates and in wet areas requiring a waterproofing membrane. In cases requiring waterproofing, refer to the ARDEX technical brochures for ARDEX waterproofing compounds.

For setting moisture-sensitive stones on interior applications, use ARDEX N 23™ Rapid Set Natural Stone and Tile Mortar or ARDEX S 28™ Rapid-Set, Rapid-Dry, Super-Format Tile and Uncoupling Membrane Mortar.

For setting and grouting tiles in high stress areas, hot tubs and water-holding tanks, use ARDEX WA™ Epoxy Grout and Adhesive.

ARDEX recommends the installation of test areas to confirm the suitability of the product for the intended use.

ARDEX D 16 must be worked at temperatures over 50°F (10°C).

For complete safety information, please refer to the Safety Data Sheet, or visit our website at www.ardexamericas.com.

Technical Data According To ARDEX Quality Standards

Physical properties are typical values and not specifications.
All data based on surface and air temperatures at 70°F / 21°C.

Coverage

on Smooth

Substrate:

175 sq. ft. per pail (3.5 gal.) using a
5/32" V-notch trowel

105 sq. ft. per pail (3.5 gal.) using a
1/4" x 1/4" x 1/4" square notch trowel

Open Time:

None – sets tiles immediately

Working Time:

Approx. 60 minutes

Time to Grout:

Walls after 24 hours; Floors after 48 hours

Packaging:

3.5 gallon pail / 1 gallon tub

Storage:

Store in a cool dry area. Do not expose
container to sun. *Freeze-thaw stable to
10°F / -12°C. Avoid lower temperatures
and multiple freeze-thaw cycles.

Shelf Life:

One year

Warranty:

ARDEX Standard Limited Warranty applies.
Also eligible for ARDEX Tile and Stone
SystemOne™ Warranty When used as a
system. For full warranty details:
ardexamericas.com/services/warranties

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IMPORTANT TECHNICAL UPDATES

Technical update effective June 28, 2018:

ARDEX Tile Mortar Thicknesses over Membranes

[CLICK HERE](#)

Technical update effective June 23, 2017:

ARDEX Tile Setting Materials over Membranes in
Exterior Applications

[CLICK HERE](#)

Technical update effective September 18, 2017:

Recommendations for Resin-Backed Tiles

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