

09 30 00.11/ARD
BuyLine 8656



tile & stone

Installation System

2009
ARDEX
TILE & STONE
INSTALLATION
PRODUCT
SHOWCASE





tile & stone

Installation System



The ARDEX Tile & Stone Installation System is a full line of thin set mortars, tile adhesives, waterproofing systems, grouts and specialty installation materials for all types of tile and stone. Designed to provide superior performance and value to the installation professional, ARDEX Tile & Stone Products are specifically formulated to meet the same high-quality performance standards for which ARDEX products are recognized worldwide. ARDEX Tile & Stone Products are available at professional tile and stone distributors throughout North America, and are supported by the extensive network of ARDEX Sales Professionals.

The ARDEX Support program includes technical and sales support, jobsite visits and start-up support, hands-on product training, written jobsite recommendations, formatted architectural specifications, a network of regional Tile and Stone Installation Specialists and easy access to all product information at www.ardex.com. Our total support system includes the:

Architectural Support

The ARDEX Architectural Team works directly with architects, designers, and specifiers to help determine the best ARDEX installation solution for any project. Backed by the ARDEX Sales Team and ARDEX Technical Services, ARDEX Architectural Specialists can provide customized written jobsite specifications, technical recommendations and referrals to the nationwide network of ARDEX Installation Professionals. ARDEX also provides Continuing Education Presentations for AIA/CES Accreditation and support through ARCOM's PRODUCT MASTERSPEC.

Technical Services

The ARDEX Technical Services Team is the ultimate resource for identifying the right ARDEX Tile & Stone Installation Product for the right jobsite condition. As part of a total support system, technical professionals confirm acceptable product use and make recommendations, including written documentation. In addition, the ARDEX Technical Services Team – many of whom are former installers with decades of industry experience and knowledge – provides intensive, 2-day product training through seminars at the ARDEX headquarters in Aliquippa, Pennsylvania.

Sales Professionals

With a comprehensive national network of over 80 sales professionals, ARDEX provides experienced and knowledgeable on-site installation support and service. ARDEX Sales Professionals are trained in all aspects of product installations, and they draw upon the extensive experience at ARDEX, which has been providing practical solutions to installers for more than 50 years. Whether installers are looking for local product availability, additional installation training, or immediate jobsite support, ARDEX is dedicated to exceeding customer expectations.

Warranty Programs

For more than half a century, ARDEX has built a proven track record of manufacturing high quality specialty construction and installation products. Because we provide installers faster, better and easier solutions, as well as unmatched technical and sales support to minimize callbacks and ensure success at every jobsite, ARDEX does more than just offer a material replacement warranty. We stand behind every ARDEX Tile and Stone Product installation through two options:

- **Extended System Warranties when using multiple products.**
- **Individual Product Warranties when using single products.**

Warranty details and product combinations are provided on the last page of this Tile & Stone Installation Product Showcase.



THIN SET MORTARS

page 4

ARDEX offers a complete range of thin set mortars for all types of tile and stone installations. From high performance, sag resistant mortars ideal for exterior building facades to high yield mortars – and even economical, thin sets for everyday application – ARDEX offers a solution for every jobsite.

ARDEX X 9™ ARDEX FB 9 L™ ARDEX X 7 Plus™ ARDEX X 5™ ARDEX X 4™

SPECIALTY MORTARS

page 4

Whether the installation calls for setting moisture-sensitive tile without staining, or grouting a tile floor in a few hours, ARDEX provides an option. Formulated with ARDEX' exclusive Self-Drying Technology, ARDEX Specialty Mortars maximize value and minimize time on any installation.

ARDEX S 14™ ARDEX S 16™

TILE ADHESIVES

page 5

Offering unique products, such as the world's first powdered mastic/thin set hybrid or a premixed mastic that can hang 12"x12" porcelain tile without slipping, ARDEX delivers with performance beyond expectation.

ARDEX D 14™ ARDEX S 48™

GROUTS

page 5

Stain resistant, water repellent, flexible, fast drying – ARDEX FLEX grouts offer it all, with premium performance and ease of installation.

ARDEX FLEX SANDED™ GROUT ARDEX FLEX CAULK™
ARDEX WA™ EPOXY GROUT & ADHESIVE

WATERPROOFING

page 6

From a waterproofing membrane that can be flood tested in just 4 hours to an epoxy-based waterproofing that allows a pool to be put into use in days versus weeks, ARDEX Waterproofing Compounds afford unique solutions with enhanced performance benefits.

ARDEX 8+9™ ARDEX S 1-K™

SUBSTRATE PREPARATION

page 6

ARDEX substrate preparation products have set the standard for the industry for over 50 years. From a self-leveling material for wood that does not require lath mesh to patches that can be installed over in minutes, ARDEX is redefining substrate preparation for the tile & stone installation industry.

ARDEX AM 100™ ARDEX TL PATCH™ ARDEX TL 1000™ ARDEX TL WOOD™

Thin Set Mortars

ARDEX X 9™ Premium ShearFlex® Thin Set Mortar

The high performance solution for installations requiring high bond strength, excellent sag resistance and flexibility. ARDEX X 9™ is the ideal solution for exterior porcelain and building façade installations.

- Use for porcelain, glass, quarry, stone*, ceramic and mosaic tile
- Use for interior and exterior floors, walls and countertops
- Highly flexible, excellent sag resistance
- Perfect for high traffic installations
- 5 hour pot life
- Available in gray and white



ARDEX FB 9 L™ Pourable ShearFlex® Thin Set Mortar

A high performance pourable, thin set mortar designed to solve the challenges presented by today's large format floor tile. ARDEX FB 9 L™ delivers full contact bonding to the tile without the need to back-butter or re-lift.

- Use for porcelain, glass, quarry, stone*, ceramic and mosaic tile
- Use for interior and exterior floors
- Highly flexible
- Ideal for high traffic installations
- 3 hour pot life
- Grout in just 6 hours
- Available in gray and white



ARDEX X 7 Plus™ High Yield Thin Set Mortar

Extremely high yield thin set mortar that delivers maximum coverage at a very economical cost. ARDEX X 7 Plus™ delivers our highest sag resistance and longest pot life, reducing waste.

- Use for porcelain, quarry, stone*, ceramic and mosaic tile
- Also sets porcelain tile over interior, absorbent surfaces
- Use for interior and exterior floors, walls and countertops
- Flexible
- High coverage, excellent sag resistance
- 5 hour pot life
- Available in gray and white



ARDEX X 5™ Flexible Thin Set Mortar

Better performance thin set mortar ideal for most installations where a higher technology solution is needed. ARDEX X 5™ delivers good versatility, making it a reliable answer to most jobsite challenges.

- Use for quarry, stone*, ceramic and mosaic tile
- Also sets porcelain tile over interior and exterior floors
- Use for interior and exterior floors, walls and countertops
- Flexible, good sag resistance
- 3 hour pot life
- Available in gray and white



ARDEX X 4™ Thin Set Mortar

Delivering good polymer modified thin set performance and value, ARDEX X 4™ is the economical solution for everyday tile installations.

- Use for quarry, stone*, ceramic and mosaic tile
- Also sets porcelain tile over interior, absorbent surfaces
- Use for interior and exterior floors, walls and countertops
- 3 hour pot life
- Available in gray and white



Specialty Mortars

ARDEX S 14™ Rapid Setting Thin Set Mortar

A rapid setting thin set mortar specially formulated for fast track tile installations. ARDEX S 14™ delivers exceptionally high bond performance and flexibility, making it ideal for almost all interior tile applications.

- Use for porcelain, quarry, stone*, ceramic and mosaic tile
- Use for interior floors, walls and countertops
- Fast setting – grout in two hours
- Excellent sag resistance
- Available in gray



ARDEX S 16™ Fast Setting Thin Set Mortar

A revolutionary, fast setting thin set mortar formulated with ARDEX' exclusive Self Drying Technology®, ARDEX S 16™ eliminates the need for epoxy based setting materials to install moisture sensitive marble and natural stone.

- Use for porcelain, quarry, stone, ceramic and mosaic tile
- Use for interior floors, walls and countertops
- Fast setting – grout in two hours
- Excellent sag resistance
- Available in white



Tile Adhesives

ARDEX D 14™ Type I Premixed Tile Adhesive

A premixed tile adhesive that delivers improved performance and slip resistance over most Type I Mastic adhesives. ARDEX D 14™ is formulated for installations of tile up to 12"x12", including porcelain.

- Use for quarry, stone*, ceramic and mosaic tile
- Also sets porcelain tile over absorbent surfaces
- Use for interior floors, walls and countertops
- Good sag resistance – hangs up to a 12" x 12" wall tile
- Ideal for tile installations in tub surrounds
- Available in white

**ARDEX S 48™ Universal Tile Setting Adhesive**

The ultimate solution for almost any tile installation. ARDEX S 48™ installs any tile over any interior surface, including glass and metal, dries in as little as one hour, and can be put into use the same day.

- Use for porcelain, quarry, stone*, ceramic and mosaic tile
- Use over all types of interior surfaces
- Specially suited to install tiles in bathrooms and kitchens and on countertops
- Grout in as little as 1 to 3 hours
- High yield
- Available in white



Grouts

ARDEX Flex Grout™ Sanded Premium Polymer Modified Grout

A premium sanded grout that delivers unparalleled ease of installation and excellent long-term performance. ARDEX FLEX GROUT™ Sanded is water repellent, stain resistant and highly flexible, making it one of the easiest grouts to maintain.

- Use with porcelain, glass, quarry, stone*, ceramic and mosaic tile
- Use for interior and exterior floors, walls and countertops
- High coverage
- Use for grout joints from 1/16" to 1/2"
- Available in 28 colors

**ARDEX Flex Caulk™ Siliconized Acrylic Color Caulk**

A premium siliconized acrylic caulk used for caulking and sealing corners, edges, and joints created by change-of-plane or change-of-materials in interior applications.

- For use with both ARDEX FLEX SANDED™ and ARDEX FLEX UNSANDED™ Grouts
- Color matched to ARDEX FLEX Grouts
- Mold & mildew resistant
- Stays flexible
- Use for interior and exterior installations

**ARDEX WA™ Epoxy Grout & Adhesive**

Solvent free, epoxy based grout and adhesive ideal for installations requiring high chemical resistance and ultimate bond strength. ARDEX WA™ is much easier to install and clean than other epoxy grouts, allowing for much faster installations.

- Use for setting all types of tile and stone, including moisture sensitive natural stone
- Use where maximum chemical resistance is required
- Ideal for swimming pools, hot tubs and water-holding tanks
- Use for interior and exterior floors, walls and countertops
- High coverage
- Use for grout joints from 1/16" up to 1/2"



*Only for use with non-moisture sensitive stone.

Waterproofing

ARDEX 8+9™ Waterproofing Compound

A two-part waterproofing membrane for use on all common substrates in commercial and residential applications prior to the installation of any type of tile or stone.

- IAPMO ANSI A 118.10 Certified – can be used as a shower pan
- Use for interior and exterior floors, walls and countertops
- Rapid setting – set tile in 2 hours
- Flood test in just 4 hours
- Solvent free and non-bituminous
- Crack isolation up to 1/8"



ARDEX S 1-K™ Premixed Waterproofing Compound

A premixed waterproofing membrane for use on all common substrates in residential and light commercial applications prior to the installation of any type of tile or stone.

- Use for interior floors, walls and countertops
- Premixed for easy installation
- Crack isolation up to 1/16"



Substrate Preparation

ARDEX AM 100™ Pre Tile Repair Mortar

A Portland cement-based repair mortar ideal for grading wall surfaces and sloping to drains prior to installing tile. Ideal for use in wet areas, even swimming pools.

- Use for interior and exterior floors and walls
- Ideal for re-sloping balconies and floors
- Install up to 1 1/4" deep
- Install tile in just 2 hours
- Water and frost resistant



ARDEX TL PATCH™ Underlayment Patch & Skim Coat

A Portland cement-based patch and repair compound for use over most common interior surfaces prior to tiling. ARDEX TL Patch™ dries fast, allowing tile installations to proceed quickly.

- Use for most interior surfaces, including plywood
- Can be used to fill, patch, smooth or skimcoat
- Install up to 1/2" in one application
- Good coverage
- Install tile in as little as 45 minutes



ARDEX TL 1000™ Self-Leveling Underlayment

A Portland cement-based self-leveling underlayment used for smoothing and leveling surfaces prior to the installation of tile and stone. ARDEX TL 1000™ dries fast, allowing tile to be installed in as little as 6 to 8 hours.

- Portland cement based
- Smooth concrete, terrazzo, tile and wood
- Install tile after as little as 6 to 8 hours
- Install up to 1 1/4"
- Walk on in 3 hours
- Use over interior floors only



ARDEX TL WOOD™ Self-Leveling Underlayment

A Self-leveling underlayment for use over wood and distressed gypsum surfaces prior to the installation of tile and stone. ARDEX TL Wood™ eliminates the need to use metal lath, saving time and money.

- Use over plywood, OSB, strip wood flooring and distressed gypsum
- Use for interior, above-grade floors
- Suitable for use with in-floor electric and hydronic radiant heating systems




ARDEX TILE & STONE WARRANTY PROGRAM

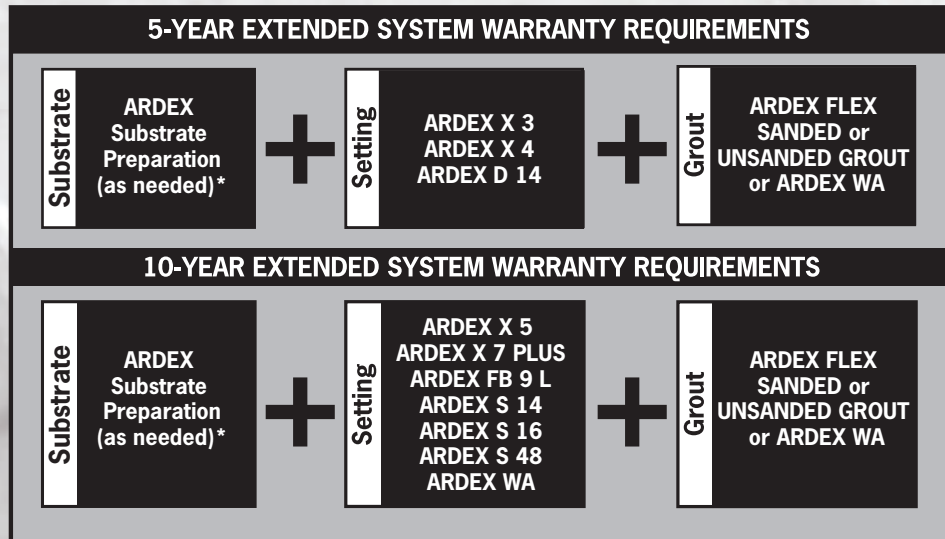
09 30 00.11/ARD

BuyLine 8656

All ARDEX Tile & Stone Installation Products have a one-year stand-alone product warranty. When used in a system with other ARDEX products, they are also eligible for an extended warranty period:

|  | 5 Year System Warranty (See specifics below) | 10 Year System Warranty (See specifics below) |
|---|--|---|
| WATERPROOFING | ARDEX S 1-K™ | ARDEX 8+9™ |
| | ARDEX 8+9™ | |
| THIN SET & SPECIALTY MORTARS | ARDEX X 3™ | ARDEX X 5™ |
| | ARDEX X 4™ | ARDEX X 7 PLUS™ |
| | | ARDEX X 9™ |
| | | ARDEX FB 9 L™ |
| | | ARDEX S 14™ |
| | | ARDEX S 16™ |
| | | ARDEX S 20™ |
| TILE ADHESIVES | ARDEX D 14™ | ARDEX S 48™ |
| | | ARDEX WA™ |
| GROUTS | ARDEX FLEX UNSANDED™ | ARDEX FLEX UNSANDED™ |
| | ARDEX FLEX SANDED™ | ARDEX FLEX SANDED™ |
| | | ARDEX WA™ |

Use these product combinations to upgrade from the individual product warranty to the extended warranty system:



* Approved Substrate Preparation Products include ARDEX S 1-K™, ARDEX 8+9™, ARDEX S 2-K™, ARDEX TL 1000™, ARDEX TL WOOD™, ARDEX TL 700™, ARDEX TL PATCH™, ARDEX AM 100™ & other ARDEX Substrate Preparation Products.

For more information on all ARDEX Tile & Stone Installation Products, please call 888-444-4148, e-mail us at sweets@ardex.com or visit www.ardex.com

For more information about these and other ARDEX products, including ARDEX Underlayments & Toppings, or to find out more about SystemOne™, HENRY Flooring Adhesives or training programs, please visit our web sites:

www.ardex.com
 www.designerfloors.com
 www.systemonesolutions.com
 www.wwhenry.com

ARDEX ENGINEERED CEMENTS

400 Ardex Park Drive

Aliquippa, PA 15001

Tel: 724-203-5000

Toll Free: 888-512-7339

Fax: 724-203-5001

www.ardex.com



| | Thin Set Mortars | | | | | Specialty Mortars | | Tile Adhesives | |
|--|------------------------------------|-------------------------------------|-------------------------------------|--------------------------|---------------------|-------------------------------|--|-------------------------------|---------------------------------|
| | X 9 | FB 9 L | X 7 Plus | X 5 | X 4 | S 14 | S 16 | D 14 | S 48 |
| | Premium ShearFlex® Thin Set Mortar | Pourable ShearFlex® Thin Set Mortar | High-Yield Flexible Thin Set Mortar | Flexible Thin Set Mortar | Thin Set Mortar | Rapid Setting Thin Set Mortar | Fast Setting Thin Set Mortar for Stone | Type I Premixed Tile Adhesive | Universal Tile Setting Adhesive |
| For setting | | | | | | | | | |
| Ceramic Tile | X | X | X | X | X | X | X | X | X |
| Mosaic Tile | X | X | X | X | X | X | X | X | X |
| Natural Stone | X* | X* | X* | X* | X* | X* | X | X* | X* |
| Quarry Tile | X | X | X | X | X | X | X | X | X |
| Porcelain | X | X | X** | X** | X** | X | X | X | X |
| Glass | X | X | | | | X | X | | X |
| Substrate | | | | | | | | | |
| Concrete | X | X | X | X | X | X | X | X | X |
| Cement Backer Board | X | X | X | X | X | X | X | X | X |
| Masonry | X | X | X | X | X | X | X | X | X |
| Drywall | X | X | X | X | X | X | X | X | X |
| Exterior Grade Plywood (interior app.) | X | X | | X | X | X | X | | X |
| Plaster | primed with P 51 | | primed with P 51 | primed with P 51 | primed with P 51 | primed with P 51 | primed with P 51 | | X |
| Existing Tile | scratch coat | scratch coat | primed with P 82 | primed with P 82 | primed with P 82 | scratch coat | scratch coat | X | X |
| Specifications | | | | | | | | | |
| Colors | gray, white | gray, white | gray, white | gray, white | gray, white | gray | white | white | white |
| Interior | X | X | X | X | X | X | X | X | X |
| Exterior | X | X | X** | X** | X** | | | | |
| Floors & Walls | X | floors only | X | X | X | X | X | X | X |
| Frost Resistant | X | X | X | X | X | | | | |
| Water Resistant | X | X | X | X | X | | | X** | X |
| Flexible | X | X | X | X | | X | X | X | X |
| Sag Resistant | Best | | Better | Better | Good | Best | Best | Good | Best |
| Pot Life | 5 hours | 3 hours | 5 hours | 3 hours | 3 hours | 30 min. | 30 min. | | 30 min. |
| Working Time | 20 min. | 30 min. | 20 min. | 20 min. | 20 min. | 15 min. | 15 min. | 60 min. | 20 min. |
| Time To Grout – Walls | 8 hours | | 8 hours | 8 hours | 8 hours | 2 hours | 2 hours | 24 hours | 1 to 3 hours |
| Time To Grout – Floors | 24 hours | 6 hours | 24 hours | 24 hours | 24 hours | 2 hours | 2 hours | 48 hours | 5 hours |
| Coverage | | | | | | | | | |
| 5/32" v-notch | n/a | n/a | n/a | n/a | n/a | n/a | n/a | 175 sq. ft. | 80 sq. ft. |
| 1/8" v-notch | 200 sq. ft. | n/a | 220 sq. ft. | 160 sq. ft. | 160 sq. ft. | 160 sq. ft. | 160 sq. ft. | n/a | n/a |
| 1/4"x1/4"x1/4" sq. notch | 105 sq. ft. | 90 sq. ft. | 115 sq. ft. | 80 sq. ft. | 80 sq. ft. | 80 sq. ft. | 80 sq. ft. | 105 sq. ft. | 30 sq. ft. |
| 1/4"x3/8"x1/4" sq. notch | 75 sq. ft. | 70 sq. ft. | 90 sq. ft. | 60 sq. ft. | 60 sq. ft. | 60 sq. ft. | 60 sq. ft. | n/a | 22 sq. ft. |
| Package Sizes | 40 lb bag | 40 lb bag | 40 lb bag | 40 lb bag | 40 lb bag | 40 lb bag | 40 lb bag | 3.5 gallon | 10 lb bag |
| ANSI Specification | A 118.4 A 118.11 | A 118.4 A 118.11 | A 118.4 | A 118.4 A 118.11 | A 118.4 A 118.11 | A 118.4 A 118.11 | A 118.4 A 118.11 | A 136.1 | A 118.4 A 118.11 A 136.1 |

* not for use with moisture sensitive marble and stone
 ** please review individual product's technical brochure for full details

For more information on all ARDEX Tile & Stone Installation Products, please call 888-444-4148, e-mail us at sweets@ardex.com or visit www.ardex.com

