ARDEX TLT™ Waterproofing Membrane

and Vapor Retarder for Tile & Stone Installations

The one waterproofing membrane and vapor retarder for virtually every job!

For topside waterproofing over floors and walls

Perm rating acceptable for residential and commercial steam showers

Interior and exterior use*

Ideal for swimming pools; just one layer required

Use on balconies and terraces

Use for TLT™ Shower System installations

Easy to cut and apply

Use with ARDEX high-performance polymer modified mortars

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ARDEX TLT™ Waterproofing Membrane
and Vapor Retarder for Tile & Stone Installations

Description

ARDEX TLT™ Waterproofing Membrane and Vapor Retarder for Tile & Stone Installations is a pliable, sheet-applied, bonded waterproof membrane and vapor retarder. This waterproofing membrane is constructed of polyethylene with a high-performance fleece webbing to securely bond the membrane using ARDEX mortars prior to the installation of tile or stone in areas requiring topside waterproofing and vapor retarding. Tiles can be installed directly onto this waterproofing membrane. The ARDEX TLT™ Waterproofing Membrane has an acceptable perm rating for commercial steam showers and is ideal for use in swimming pools and shower systems.

Substrate Preparation

The substrate must be clean, sound, solid and suitable for the installation of tiles and slabs.

Fill all cracks, holes and low spots with one of the following

Product	Substrate	Interior	Exterior	Vertical	Horizontal
ARDEX A 38™ Rapid Set Screed or ARDEX A 38 MIX™ Rapid Set, Premixed Screed	Concrete	X	X		X
	Wood	X			X
ARDEX AM 100™ Rapid Set Pre-Tile Smoothing and Ramping Mortar	Concrete	X	X	X	X
	Wood				
ARDEX Liquid BackerBoard® Self-Leveling Underlayment for Interior Wood and Concrete Subfloors	Concrete	X			X
	Wood	X			X
ARDEX TL 1000™ Self-Leveling Underlayment	Concrete	X			X
	Wood				
ARDEX SKM™ Skimcoat Patch & Finishing Underlayment	Concrete	X		X	X
	Wood	X		X	X

ARDEX products, as appropriate:

Observe the instructions and dry times in the ARDEX technical data sheets.

Per ANSI A 108 AN-3.7, expansion joints must be provided over existing moving joints and moving cracks and where substrate materials change composition or direction.

Recommended Tools

Scissors or a utility knife, a 1/4" x 3/16" V-Notch trowel and a smooth flat trowel or similar

Installation

Cut the membrane prior to the installation using scissors or a utility knife to ensure a correct fit. A 1/4" space must be left at each change of plane area to allow for air removal. After cutting, the membrane must be installed with one of the following approved ARDEX tile products**:

- ARDEX X 77™ MICROTEC® Fiber Reinforced Tile and Stone Mortar
- ARDEX X 78™ MICROTEC® Fiber Reinforced, Semi-Pourable Tile and Stone Mortar
- ARDEX X 5™ Flexible Tile and Stone Mortar
- ARDEX X 7 R™ Rapid Set, Flexible Tile and Stone Mortar
- ARDEX 8+9™ Rapid Waterproofing and Crack Isolation Compound
- ARDEX X 65™ Lite Lightweight Universal Tile and Stone Mortar

While considering the mortar open time, apply the bond coat to the substrate using a 1/4" x 3/16" V-Notch trowel. Firmly press the membrane into wet mortar with a smooth flat trowel to ensure proper coverage and to prevent the creation of air bubbles. It is recommended to start in the center of the installation area and move towards the edges of the membrane while pressing.The membrane may be installed by either creating butt joints in conjunction with TLT™ Seam Tape or by overlapping the membrane seams by 2".

For floor and wall connections, seal with TLT™ Seam Tape, and install all inside and outside corners using ARDEX TLT™ Inside Corners and ARDEX TLT™ Outside Corners. ARDEX 8+9™ and ARDEX TLT™ 700 Multi-Purpose Construction Adhesive and Sealant can be used in conjunction with ARDEX TLT™ Pipe Collar around all piping and valve protrusions to ensure a watertight seal.

Installation of Commercial Steam Showers, Pools, Steam Rooms, Balconies and Terraces

In order to achieve maximum waterproofing protection, install ARDEX TLT™ Waterproofing Membrane with ARDEX 8+9™ Rapid Waterproofing and Crack Isolation Compound using a 1/4" x 3/16" V-Notch trowel. Follow the directions previously listed for either the overlap or butt joint method.

Installation of Tile and Grouting

Tile must be installed with one of the following approved ARDEX tile mortars**:

- ARDEX X 77™ MICROTEC® Fiber Reinforced Tile and Stone Mortar
- ARDEX X 78™ MICROTEC® Fiber Reinforced, Semi-Pourable Tile and Stone Mortar
- ARDEX X 65™ Lite Lightweight Universal Tile and Stone Mortar
- ARDEX X 5™ Flexible Tile and Stone Mortar
- ARDEX X 32™ MICROTEC® Fiber Reinforced, Rapid Set Thin-to-Thick Bed Mortar
- ARDEX X 7 R™ Rapid Set, Flexible Tile and Stone Mortar
- ARDEX N 23™ Rapid Set Natural Stone and Tile Mortar***
- ARDEX S 48™ Rapid Set Tile and Stone Mortar / Mastic Hybrid***

The ARDEX tile mortar used to install the ARDEX TLT™ Waterproofing Membrane must be allowed to cure sufficiently prior to tile installation. See the technical data sheet for the selected ARDEX tile mortar, and observe the required cure time for horizontal tile installations.

After the underlying ARDEX tile mortar is sufficiently cured, install tile using the selected ARDEX mortar in accordance with its technical data sheet and ANSI A 108.5. If flood testing is required, allow the materials to cure for 24 hours. Grouting can proceed once the tile has set in accordance with the instructions in the appropriate technical data sheets.

Sizes Available

TLT™ 716 Waterproofing Membrane 39" wide x 33' long (1 m wide x 10 m long) roll (108 sq. ft. roll)

TLT™ 717 Waterproofing Membrane 39" wide x 98' long (1 m wide x 30 m long) roll (323 sq ft roll)

Accessories

TLT™ 709 32.8' x 4.9" Seam Tape Roll

TLT™ 710 65.6' x 4.9" Seam Tape Roll

TLT™ 711 98.4' x 4.9" Seam Tape Roll

TLT™ 704 90 degree inside corners

TLT™ 705 90 degree outside corners

TLT™ 706 135 degree inside corners

TLT™ 707 135 degree outside corners

TLT™ 713 Pipe Collar

TLT™ 714 Mixing Valve Collar

Notes

FOR PROFESSIONAL USE ONLY.

Store upright and in an area protected from frost and sunlight.

*ARDEX TLT™ Waterproofing Membranes are UV-sensitive. Do not expose ARDEX TLT™ Waterproofing Membranes to sunlight for extended periods of time.

**ARDEX recommends a polymer modified tile and stone mortar with an ISO 13007 C2 designation and/or that complies with ANSI A118.4 or ANSI A118.15 to install the ARDEX TLT™ Waterproofing Membranes. ARDEX tile and stone mortars are highly recommended due to their unique hardening and curing capabilities. In addition, the use of an ARDEX tile and stone mortar with the appropriate ARDEX grout qualifies the installation for an ARDEX SystemOne™ 10-Year Limited Warranty.

***ARDEX N 23 and ARDEX S 48 may only be used to install tile in interior intermittent wet areas and on shower floors that are protected by an approved waterproofing membrane. For ARDEX N 23 and ARDEX S 48 applications, please contact the ARDEX Technical Service Department.

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 www.ardexamericas.com.

Warranty

ARDEX Engineered Cements Standard Limited Warranty. Also eligible for the ARDEX Americas SystemOne™ 10-Year Limited Warranty when used in conjunction with select ARDEX mortars and grouts. Failure to follow written directions will void the warranty. For complete warranty details, please contact our Customer Service Center at 888-512-7339.

IMPORTANT TECHNICAL UPDATES

Technical update effective June 28, 2018:
ARDEX Tile Mortar Thicknesses over Membranes

CLICK HERE

Visit www.youtube.com/ARDEX101 to watch ARDEX Americas product videos.

For easy-to-use ARDEX Product Calculators and Product Information On the Go, download the ARDEX App at the iTunes Store or Google Play.

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