



ARDEX TerraMaxx[®] TSL

Pedestal System

Installation Guide for Balconies, Patios and Other Surfaces Not Over Living Spaces*

Raised flooring supports for approved 2 cm porcelain pavers and approved 3 cm natural stone pavers

For pre-sloped exterior wood or concrete balconies, patios, terraces, etc.

Provides the ability to easily adjust to various construction evaluations and/or go over existing cables, pipes, etc.

Easy level and pitch adjustments up to 9% (no tools required)

Pre-assembled in 6 sizes with adjustable heights from 1" to 8 1/8". Available adapter adds an additional 3 3/8".

Integrated spacers 1/16" (2 mm) with available spacer attachment to expand 3/16" (5 mm)

Built-in sound dampener reduces sound up to 30dB

***For installations over living spaces, an intact roofing membrane must be previously installed by a professional roofing contractor. Contact the ARDEX Technical Service Department before proceeding further.**

ARDEX TerraMaxx® TSL

Pedestal System

System Design



Suitable Substrates

* Surfaces NOT over living spaces:

- Substrate must be flat and smooth with a 1.5 - 2% slope prior to installation.
- Exterior wood (pre-sloped)
- Exterior concrete

* For installations over living spaces, an intact roofing membrane must be previously installed by a professional roofing contractor. Contact the ARDEX Technical Service Department before proceeding further.

Suitable Applications

- Installation of porcelain pavers (minimum size 12 x 12" / 30 x 30 cm; minimum thickness 3/4" / 2 cm)
- Installation of stone pavers; minimum size 12 x 12" (30 x 30 cm; minimum thickness 1 1/8" / 3 cm depending on the breaking point listed by the manufacturer)

Note: All pavers must be manufacturer-approved for pedestal system installation.

Pedestal Configuration

On average, an estimate of two (2) pedestals per paver side can be used to determine the number of pedestals that will be needed. Longer and plank-style pavers may require three (3) pedestals. Every job is different. To determine the proper configuration, including the number of pedestals and the pedestal sizes required, please call the ARDEX Technical Service Department at 888-512-7339.

Step 1: Substrate Preparation (Proper Prep™)

It must be verified that the substrate is sufficiently sound to support the installation weight; verify with a structural engineer as necessary.

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

Handle and dispose of asbestos and other hazardous materials in accordance with prevailing regulations, which supersede the recommendations in this document.

Step 2: Pre-Sloping / Smoothing Options (if needed)

ARDEX AM 100™ Rapid Set Pre-Tile Smoothing and Ramping Mortar
ARDEX A 38™ Rapid Set Screed

Substrate must be flat and smooth with a 1.5 - 2% slope prior to installation. Observe the substrate preparation, mixing, application and drying instructions in the appropriate ARDEX technical data sheet. 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.

For full details on Proper Prep, reference the following articles at ardexamericas.com/services/properprep:

- [Article 1: Preparing Concrete for Bonded ARDEX or HENRY Applications](#)
- [Proper Prep Brochure](#)

Step 3: ARDEX TLT Membrane Installation

Install ARDEX TLT Membrane as a Vapor Retarder* with an ARDEX Mortar over the sloped substrate and place up to the plastic side of the ARDEX US 420 ProDrain Tape, covering the fleece. Please refer to the ARDEX TLT technical data sheet for application information.

Do not penetrate the membrane, including fixing any posts or railings once the draining system is installed.

* ARDEX TLT is NOT a replacement for waterproofing protection over occupied living spaces. Applications over occupied living spaces require an existing, intact primary roofing membrane prior to the installation of an ARDEX Exterior System. ARDEX TLT is to provide protection against vapor transmission from the substrate.

Step 4: Profile Installation (Optional)

ProFin® KL Edge Profiles

Place ProFin® KL Edge Profiles on the outside edge of the installation to protect the installation from gravel, dirt and debris, as well as to provide a finished look in exposed areas.



Step 5: Placing Pedestals Against a Wall

Remove spacer tabs to permit proper paver placement (if necessary).

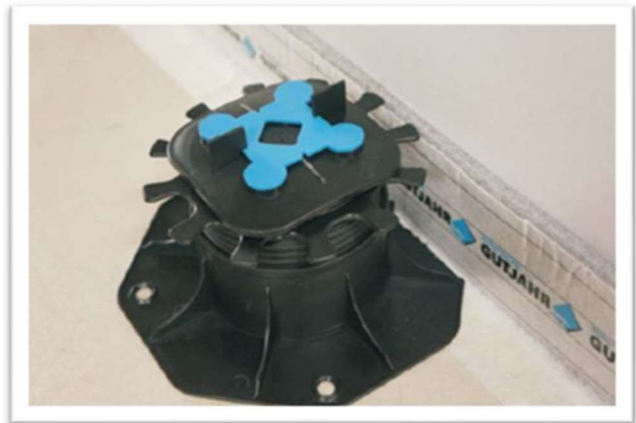


Cut the bottom of the pedestal with a hand grinder or similar tool.



Place the cut pedestal next to the wall.

ARDEX TerraMaxx TSL Distance Spacers and ARDEX TerraMaxx TSL Edge Supports can also be used to make adjustments against walls and parapets to avoid cutting of pedestals.



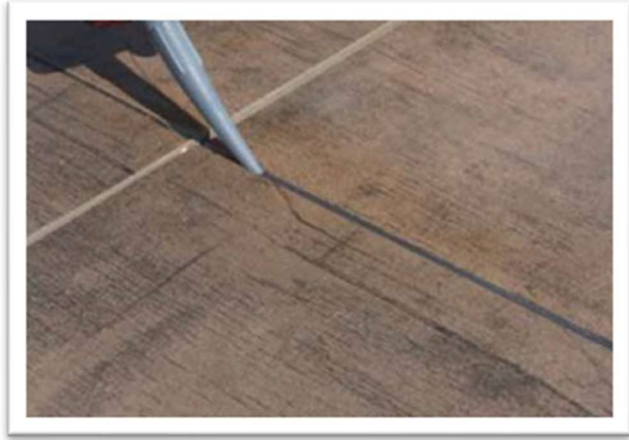
Step 6: Paver Installation

Install manufacturer-approved pavers onto pedestals and adjust pedestals as needed.

Step 7: Joint Sealant Installation (if desired)

ARDEX SX™ 100% Silicone Sealant

ARDEX SX can be used to apply a soft bead of sealant in the joints and around the perimeter. Joints may also be left open.



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: www.ardexamericas.com.

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.

Never mix with cement or additives outside of our written recommendations. 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.

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

Made in the USA and Germany.

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Warranty

Eligible for the ARDEX Exterior Drainage System 5-Year Limited Warranty. For full warranty details: ardexamericas.com/services/warranties.

Pedestal Options

	Sizes
ARDEX UD 180 TerraMaxx® TSL Pedestal XS	1" to 1 5/8" (25 mm - 40 mm)
ARDEX UD 181 TerraMaxx® TSL Pedestal S	1 1/2" to 1 3/4" (38 mm - 45 mm)
ARDEX UD 182 TerraMaxx® TSL Pedestal M	1 3/4" to 2 3/8" (46 mm - 60 mm)
ARDEX UD 183 TerraMaxx® TSL Pedestal L	2 3/8" to 3" (61 mm - 75 mm)
ARDEX UD 184 TerraMaxx® TSL Pedestal XL	3" to 4 3/4" (76 mm - 120 mm)
ARDEX UD 185 TerraMaxx® TSL Pedestal 2 XL	4 3/4" to 8 1/8" (120 mm - 208 mm)
ARDEX UD 186 TerraMaxx® TSL Adapter	3 3/8" (85 mm; use with 2 XL only)
ARDEX UD 189 TerraMaxx® TSL Pads (pack of 10)	9" (232 mm) 5 1/2" (142 mm) 1/4" (6 mm)

Other System Components and Available Accessories

	ARDEX UD 187 TerraMaxx TSL Distance Spacer
	ARDEX UD 179 TerraMaxx TSL Edge Support
	ARDEX TerraMaxx TSL Spacer
	ARDEX UP 327-92 ProFin Adjustable Drainage Profile
	ARDEX UP 324-80 ProFin Drainage Profile ARDEX UP 320-60 ProFin Drainage Profile

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



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