ARDEX TLT 700™

Multi-Purpose Construction Adhesive and Sealant

Sticks to virtually anything...even under water!

Extremely versatile – Bonds a wide range of materials including glass, metal, wood, ceramics and plastic

Use for virtually any repair

Ideal for minor repair applications, even under water

Available in white

High bond strength

Use to fill movement joints

Interior and exterior walls and floors

Highly flexible

Neutral curing system – Free of solvents, water and isocyanates

Can be painted

Shrinkage free drying

Single component, high modulus, mildew resistant multi-purpose elastomeric hybrid adhesive and neutral curing sealant that hardens in reaction with moisture

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Multi-Purpose Construction Adhesive and Sealant

Suitable Substrates

- Concrete
- Well-bonded cementitious underlayments
- APA grade underlayment plywood (untreated)
- Radiant-heated subfloors where temperatures do not exceed 85°F (29.4°C)
- Gypsum drywall panels
- Ceramic tiles
- Plastic
- Metal
- Select waterproofing membranes
- Polystyrene foam
- Fiberglass*

Refer to the manufacturer of the item being affixed for acceptable substrates. Please note that all substrates must be sound, solid and well bonded.

*Fiberglass substrates, whether or not the glaze is roughened mechanically, are suitable only for minor repairs, especially in submerged applications.

Suitable Applications

- Minor tile repairs
- Attaching bathroom and shower accessories and door handles
- Replacing tiles and general shower, kitchen and bathroom repair, such as fitting accessories like soap holders
- Filling movement joints
- Interior and exterior walls and floors
- Underwater applications for minor repairs and alterations in fountains or other wet areas
- Minor, temporary tile repairs in pools

ARDEX TLT 700 can be used in underwater applications, either applied to the immersed substrate or to the item to be affixed, making it ideal when minor repairs and alterations need to be carried out in fountains or other wet areas. ARDEX TLT 700 is intended for minor, temporary tile repairs in pools, such as re-affixing tiles that release while a pool is filled and until such time that the pool is drained for annual closing or maintenance.

ARDEX TLT 700 is not intended for use as an exposed surface within a pool, such as in joints, nor is it intended for permanent installation of pool tiles.

Jobsite Conditions

Acceptable installation temperatures range from 50°F (10°C) to 85°F (29°C).

Step 1: Preparation

Refer to the manufacturer of the item being affixed for specific recommendations.

Substrate must be sound, smooth and flat. Ensure that the substrate is solid and fixed securely to provide a rigid base free of undue flex. All loose wood must be re-nailed to create a sound surface. Patching and/or leveling materials must have a minimum compressive strength of 3,000 psi.

Substrate must be clean and free of excess moisture and alkali. Mechanically remove dirt, wax, grease, paints, oils, sealers, curing compounds and all foreign matter that would interfere with proper adhesion.

Note on Asbestos-Containing Materials

Please note that when removing existing flooring, any asbestos-containing materials should be handled and disposed of in accordance with applicable federal, state and local regulations.

Dimensional Stability of Flooring Structures

Some floor coverings may grow or shrink as a result of acclimation, handling and/or how the product was manufactured. Install representative test areas to determine the suitability of ARDEX TLT 700 to resist any dimensional change. Please note that ARDEX cannot be held responsible for installation issues caused by dimensional changes in flooring structures. Please also note that ARDEX TLT 700 is recommended only for minor repairs.

Step 2: Installation

Refer to the manufacturer of the item being affixed for specific instructions.

Apply ARDEX TLT 700 in strips to the substrate or to the item to be affixed. Allow a maximum distance of 9" - 11" (22 - 28 cm) between glue points. Set the item to be affixed immediately into the wet adhesive. Objects that are heavy enough to sag should be supported until ARDEX TLT 700 reaches its full cure.

Do not apply more adhesive than can be covered within 20 minutes (50% relative humidity). ARDEX TLT 700 will start to skin over within 20 minutes, depending on temperature and humidity. As this material reacts with moisture, please note that the skin will develop faster in higher humidity environments. If the adhesive dries or skins over, it must be scraped up, and fresh adhesive needs to be applied.

Adhesive must set a minimum of 24 hours before receiving traffic. Lower humidity levels and impervious substrates will need extra dry time.

Step 3: Cleanup

Remove wet adhesive residue with a clean, white cloth dampened with soapy water. Dried adhesive must be scraped with a blade for removal.

Notes

Intended for use by professional contractors who are trained in the application of this product and/or similar products.

As always, ARDEX recommends conducting an adequate number of test areas to determine the suitability of the product for its intended use. This is especially important for applications where the ARDEX TLT 700 will be painted and for submerged applications. The long-term stability of underwater applications may vary, depending on application.

Dispose of container and residue in accordance with federal, state and local waste disposal regulations. Do not flush material down drains.

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.

Technical Data According to ARDEX Quality Standards

All data based on 1/4" (6.35 mm) bead installed at 77°F (25°C) and 50% relative humidity. Physical properties are typical values and not specifications.

Property	Value
Material Base	Silyl-terminated Polyether (hybrid) Elastomeric
Colors	White
Storage Conditions	40 - 90°F (5 - 32°C). Max. 50% relative humidity. Do not freeze or expose to moisture.
Skinning Time	20 minutes
Curing Time	1/8" per 24 hours
Operating Temperature	-75 to 220°F
Practical Expansion	25%
Coverage per Package	1/4" (6.35 mm) Bead: 32 linear ft. (9.75 linear M); 1/8" (3.18 mm) Bead: 64 linear ft. (19.5 linear M)
Hardness Shore A	46
Tensile Adhesion Strength	225 psi
Shelf Life	18 months
VOC	18 g/L
Packaging	10.1 oz. Cartridge
Warranty	ARDEX L.P. Standard Limited 1-Year Warranty. Failure to follow written directions will void the warranty. For complete warranty details, please visit www.ardexamericas.com.

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www.ardexamericas.com.

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