

APPROPRIATE AREAS OF USE

- Wall use only
- Interiors only
- Fireplace surrounds
- Backsplash
- Wet areas

SURFACE PREPARATION**Substrate Preparation**

Appropriate substrates: concrete, masonry, existing well bonded ceramic tile, proper tiling underlayment over wood or steel framed construction

General Substrate Requirements

All substrates must be flat, smooth and free of all surface contaminants that could act as a bond breaker. Overly absorbent as well as non-absorbent substrates require priming prior to installation. A surface flatness of 1/4" in 10' is required for all tile and stone installations, per TCNA installation guidelines.

Crack Isolation

All existing substrates cracks as well as any area susceptible to future surface cracking requires the installation of a crack isolation membrane meeting ANSI 118.12.

Substrate Preparation Products

- ARDEX AM 100™ Rapid Set Pre-Tile Smoothing and Ramping Mortar
- ARDEX SKM™ Skimcoat Patch & Finishing Underlayment

For complete information regarding substrate preparation requirements, material selection, required installation tools and application, visit www.ardexamericas.com and view the individual product technical data sheets or contact ARDEX technical service at (888) 512-7339

CUTTING & DRILLING

Option 1: Use a band saw to cut the mosaic. To create holes, drill using a 3/8" drill with a diamond drill bit meant for cutting glass.

Option 2: Use a wet saw and diamond blade. We recommend the Husqvarna Superlok Glass+ blade. To create holes, drill using a 3/8" drill with a diamond drill bit meant for cutting glass. Height of blade may need to be adjusted to achieve optimal cutting angle. Use proper protective gear when using this method, incorrect cutting can cause sharp metal.

SETTING

Before Installation, dry lay all material to inspect for quality, and to determine the best blend of the material. Be sure to clean the mosaic to remove any dust, dirt or packing contaminants. All materials must be acclimated prior to installation and air and surface temperature must be between 50(F) and 80(F) during installation.

Per ANSI A108.5, using an appropriate notch trowel, apply mortar to the substrate and place mosaics into wet material. A minimum coverage of 80% for interior dry areas must be achieved. Once the setting material has hardened, grouting can proceed. It is critical to honor all expansion and moving joints. Fill all perimeter and change of plane areas with an appropriate flexible sealant (ARDEX SX Silicone Sealant).

Recommended Mortar and Adhesives

- ARDEX S 48™ Rapid-Set Mortar / Mastic Hybrid – Rapid Setting, Premium Mortar (Interior Walls)
- ARDEX X 77™ MICROTEC® Fiber Reinforced Tile and Stone Mortar – Premium Tile and Stone Mortar (Interior Walls)

Recommended Grout

- ARDEX FL™ Rapid Set, Flexible, Sanded Grout
- ARDEX WA™ High Performance, 100% Solids Epoxy Grout and Adhesive

Caulking

- ARDEX SX™ 100% Silicone Sealant for Tile and Stone Applications

See complete setting material product technical information and installation instruction at ardexamericas.com.

SEALING

Metal mosaics do not need to be sealed, however check with your grout manufacturer to see if your grout should be sealed.

Recommended Grout Sealant

- FILAGROUT PROOF

For complete information regarding sealant products from FILA, visit filasolutions.com or call 844-FILA123

CARE & MAINTENANCE

For day-to-day cleaning, apply a pH neutral cleaner scrub with a soft cloth. Remove the residue with a cloth and rinse thoroughly.

Recommended Cleaner

- FILACLEANER
- FILACLEANER Spray

For complete information regarding care & maintenance products from FILA, visit filasolutions.com or call 844-FILA123

CAUTION

AKDO will not accept claims for any reason after the material has been cut, modified or installed.

You have chosen to install your own Excalibur metal mosaic product. Neither AKDO Intertrade, Inc. ("AKDO") nor the manufacturer shall have any responsibility for damage to property or for personal injury resulting from or related to the installation process. You have determined the appropriate product and measurements for your needs. Except as otherwise set forth in writing, AKDO disclaims any and all representations and warranties regarding the suitability of the product for its intended use or the accuracy of measurements.

Please read all instructions with care before beginning installation. These instructions are considered a guide, to help prevent problems caused by errors in installation. The instructions should not be considered complete. Many details of installation are learned through experience and general construction knowledge, which we cannot provide. The installation guidelines are intended to be recommendations only, and they are not intended to serve as a step-by-step installation checklist.

Selection of an experienced installer is your sole responsibility. You should consult with a professional installer to determine the best installation procedure for your project. Installers should refer to the most current industry standards and specifications for installation. You assume all risks of loss or damage in connection with the installation and use of the Excalibur metal mosaic product.