



Installation and Sub-floor Requirements for Medes Alufloor®

Subfloor Requirements for Medes Alufloor®

It is critical that sub-floors be absolutely smooth and uniform to prevent the rocking of metal tiles. Please follow the requirements for Concrete Sub-Floors and Moisture Testing. Concrete sub-floors must be constructed as per American Concrete Institute 302.2 "Guide for Concrete Slabs that Receive Moisture Sensitive Flooring" and prepared according to ASTM F 710 "Standard Practice for Preparing Concrete Floors to Receive Resilient Flooring". Sub-floors must be dry <3.0 lbs/1000sft per ASTM F1869; <85% rH (relative Humidity) per ASTM F2170. The pH of the Sub-floor should be between 7-9.

Concrete Sub-floors must be structurally sound and must have a moisture barrier to prevent damage to wood, particle board or plywood panels that may be used under the aluminum tiles; and to prevent damage to adhesives. If wooden panels are used to level the sub-floors, they must be at least 1/4" to 3/8" gauge and should be primed with a dispersion primer. Alufloor® may also be installed on structurally sound level existing flooring, such as level vinyl flooring, structurally sound VCT, parquet, laminate and finely leveled pavement floor. Seams must be closed (with i.e. feather finish by Ardex) and there must be no height differences. Grout lines of existing ceramic tiles must be leveled.

Attention:

Alufloor® and the building must be conditioned for at least 12 hours before installation (to control thermal expansion and/or contraction)

Installation of Alufloor®

Use only Alufloor® packages of the same dye-lot in each room. Dye-lot numbers are labeled on each box. The installer should inspect each tile for color uniformity and for any visible defects, such as nicks, damaged edges, etc. There can be no adjustment or credit for tiles with defects once they are installed or cut. Please record and specify dye-lot numbers for future reference.

Alufloor® tiles **must be installed with Medes expansion strips** on each seam in order to prevent the lifting of tiles due to heat expansion, and the noise of tiles knocking against one-another. Pay attention to the direction of the tiles (identified by 2 red lines on the back of tiles).

Adhesives:

1. For kitchen areas, food preparation, or industrial areas subject to hose cleaning or steam cleaning a suitable liquid polyurethane adhesive (not sold by Tek Stil Concepts, Inc.) should be used. Use a trowel type B-1 to apply the urethane adhesive and weigh down the tiles until the adhesive has set. Follow the detailed instructions by the adhesive manufacturer.
2. For dry and extremely uniform, level sub-floors full surface Sigaway® Original textile re-enforced dry adhesive may be used.



Cutting of Alufloor[®]

Measure and mark the tiles. Use either a fret-saw (aluminum cutting blade **backside** or a circular saw (aluminum-hard metal blade **frontside**) for cutting. It is suggested that methylated spirits are used as a cutting lubricant. If oil based cutting lubricant is used, it has to be removed from both surfaces after cutting so that the tiles will adhere to adhesives.

Skirting C-60 by Doellken:

Medes manufactures inside outside corner pieces and straight length of inserts to fit the Doellken C-60 skirting. Skirting is applied to the wall with Siga Top-Tac and the Medes precut strips are glued into the skirting with Promont dry contact cement in film form.

Note:

Installation instructions and maintenance instructions are subject to change as soon as new knowledge or experiences make changes necessary. Always review your particular situation and requirements with Tek Stil Concepts, Inc.

Caution:

Medes, Siga AG and Tek Stil Concepts, Inc., are the sellers of materials only. Because the seller has no control over method of application, suitability of sub-floor, conditions during application, dryness of building, presence of water barriers, environment where used, surfaces to which the products are applied or dimensional stability of products used with these materials, there is no express or implied warranty for completed installations. It is solely the responsibility of the purchaser/installer to determine that the materials are fit for their particular purpose. User must consult detailed installation instructions shipped with the products. Prerequisite for sale of these products is that the buyer purchases at his own risk and conducts installation tests prior to making a large installation, with no liability to the seller. **Always consult detailed manufacturers installation instructions shipped with the materials prior to installation**

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