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## Installation of AZO Industrial All Weather Carpet

*(A separate document covers installation of ESD conductive AZO Industrial conductive carpet)*

### Sub-floor Preparation:

Use over sub-floors of plywood, absorbent concrete, or hardboard. **Do not** use adhesive where there is a presence of excessive sub-floor moisture. Remove all dirt, grease, oil, wax, dust, or any foreign matter. Concrete sub-floors should be absorbent, smooth and level, and fully cured (for at least 30 days) and dry (<3.5-lb./1000 sft. moisture per RMA Test.) and sub-floors must be free from moisture or hydrostatic pressure.

When installing AZO industrial carpet or tile indoors only with Sigaway® Original, the sub-floor does not need to be absorbent. Installation may be made directly over metal, sealed concrete, old epoxy floor, wood, particle board, HPL or over existing glue-down carpet.

For installation with TSC 300 water based specialty adhesive the concrete should not be coated with curing or sealing compounds. In the event that installation with liquid adhesive over existing tile or non-absorbent sub-floors is desired, the non-absorbent floors should first be primed and then receive a 0.08" gauge coating of Ardex® acrylic latex based Portland cement level compound.

### Installation:

- Carpet, floor, and adhesive must be conditioned above 65-70°F prior to installation.
- Check for "scalloping" of foam backed Mammoth or Favorite Aerobic and trim 1" on each edge if necessary. Also double cut any transport damaged scalloped edges.
- Unroll carpet and relax face down for 6-24 hours.
- Due to AZO's natural/recycled rubber combination TB backings containing potassium soap, only water based specialty adhesive TSC-300 should be used.

### Installing with full surface Sigaway® Dry Adhesive Technology

#### **a.) Roll Goods of Azo Industrial carpet:**

Indoors Only: Apply Sigaway® Original to the full surface of the sub-floor perpendicular to the new carpet. If installing carpet over existing glue-down carpet, reinforce the perimeter of the room and the intended seam areas with Siga Construction tape. Remove release papers, install the carpet and roll the installation with a 125 lb. roller. The carpet installation may be subjected

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to traffic and rolling loads immediately. No special seaming adhesive is required for AZO Industrial All Weather carpet.

#### **b.) Carpet Tile Azo Industrial Carpet:**

**Indoors Only:** Apply Sigaway® Original to the full surface of the sub-floor. When placing carpet tiles over glue-down old carpet, the perimeter re-enforcement with Siga Construction tape is not required. Start by removing release paper from the center of the area; chalk mark a cross and place the carpet tile checkerboard fashion either tile-to-tile or 50% offset towards the walls of the area. Roll the installation with a 125 lb. roller. The carpet installation may be subjected to traffic and rolling loads immediately.

#### **Installing with TSC-300 water based indoor/outdoor adhesive**

##### **Adhesive Spreading:**

- Apply with a 3/32" x 3/32" x 1/8" U-notched carpet adhesive trowel, coarser (5/32" or larger V-Notch) trowel if installing over rough or textured surfaces. **Lay the carpet into wet adhesive. Measure and confirm usage of 80-100 sft./gallon adhesive.** Spread only enough area so that open time of 10-15 minutes is not exceeded.
- **Do not entrap air and check for adhesive transfer - there should be an even amount of adhesive on floor and back of carpet..**
- In the event that there is scalloping of roll edges due to improper transport or handling, it may be necessary to sandbag seams. No special seaming adhesive is required.
- Smooth the bonded area with firm, even pressure, using the back of a push broom or short length of a 2x4. Avoid squeezing adhesive through seams. Clean adhesive spots immediately with warm water. Cure for 12 hours before exposing to traffic or wet outdoor conditions.

#### **NOTES:**

##### **I. Azo All Weather Carpet with natural/recycled rubber TB tile back**

These products **can not** be installed with release adhesives, such as "Blue Glue", polyvinyl alcohol or polyvinyl acetate based release adhesives, which become useless in humidity when in contact with the rubber backing.

Carpet installations **not subject to spikes** or rolling loads can, in many cases, be installed loose-lay and perimeter taped with Siga Acrylic Pressure Sensitive Construction tape, or installed full surface with Sigaway® Original textile re-enforced self adhesive tape.

**However:** Loose lay or perimeter taped installations under rolling loads are potentially subject to irreversible elongation and subsequent creases (fall hazard).

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## II. Favorite Aerobic, Mammoth NSF foam backed carpet

**These products must always be glued down for dimensional stability.** Check edges for “scalloping” (uneven height of foam.) Generally materials must be double cut 1” from each selvedge to adjust for scalloping. The integral foam backing is weaker than the carpet and removal of glued down Favorite Aerobic or Mammoth can leave foam residues on the floor. Use Sigaway® Original full surface textile re-enforced adhesive that sticks to the foam and releases from the floor.

## III. Lugano Nops/ Star Nops

These products have poor dimensional stability and **must be glued with TSC-300 adhesive.** Please observe the following pre-cautions:

- **Carpet must be unrolled and relaxed, by bringing it to the same temperature as the concrete** over which it is to be installed.
- **Thermo-shock should be avoided** (installing "cold carpet" over hot substrate or vice versa), as this could lead to shrinkage and seam separation.
- **Seam areas must be weighted down until adhesive is cured** (sandbag or plywood over seams with sandbag weights).
- **Carpet or floors must not be allowed to become wet until all adhesives have cured** (24 hours).
- Styrene Butadiene Rubber, Polyvinyl Alcohol, or similar Latex adhesives are specifically not recommended for installations around swimming pools. **Polyurethane adhesives are suitable.**

## A SEPARATE DOCUMENT COVERS INSTALLATION OF ESD CONDUCTIVE AZO CARPET

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