



INSTALLATION OF AZO INDUSTRIAL ALL WEATHER CARPET

Subfloor 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 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 tested for moisture prior to installation. Moisture limits should not exceed <3 lbs/1000 sft. per ASTM F 1869; <90% rH (relative humidity) per ASTM F 2170. The pH of the concrete should be between pH 7-9.

Concrete subfloors 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 subfloors must be free from moisture or hydrostatic pressure.

When installing AZO industrial carpet or tile with Sigaway® Original (Indoors only), 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 a suitable 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.
- In the rare event of seamed edge pattern lineup problems on the Berber pattern, double cut a snake or scalloped edge rather than a straight edge.
- 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 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.

Loose lay or perimeter taped installations that are subjected to rolling loads are potentially subject to irreversible elongation of the carpet and subsequent creases (fall hazard).



Adhesive Spreading TSC-300 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.

Clean-Up:

Fresh ESD-106 adhesive and tools can be cleaned with lukewarm, soapy water. Dried adhesive may be removed using mineral spirits.

Loose lay or perimeter taped installations that are subjected to rolling loads are potentially subject to irreversible elongation of the carpet and subsequent creases (fall hazard).

Notes:

1. Azo All Weather Carpet has a natural/recycled rubber TB tile back

These products cannot 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, skis, skates or rolling loads can, in many cases, be installed loose-lay and perimeter taped with Siga Supertape 7900-5025 2" x 82'6" Acrylic Pressure Sensitive Construction tape, or installed full surface with Sigaway® Original 7700-100025 textile re-enforced self adhesive tape.

In the rare event of seamed edge pattern lineup problems on the Berber pattern, double cut a snake or scalloped edge rather than a straight edge.

2. Favorite Aerobic, Mammoth NSF foam backed carpet

These products must 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. In non-wet areas and indoors the use of Sigaway® Original (**link**) is recommended as this adhesive sticks to the foam and makes the carpet releasable at a later time.

A separate document covers the installation of ESD conductive AZO Industrial Carpet

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