



Multi-Set Adhesive

Technical Information and Guidelines

*Always refer to the full installation guides for each product or system to be installed. It is presumed that installation professionals are familiar with epoxies, urethanes, or other wet set type adhesives.
This document supersedes previous versions.*

September 1st, 2024

Features and Benefits:

- Solvent-Free
- Excellent Moisture Resistance
- Low odor/Odorless when dry
- Non-Hazardous
- Non-staining
- Strong initial grab when set dry or near dry to the touch
- Single component water-based pressure sensitive adhesive

Substrate Preparation General:

- Tarkett Sports Multi-Poxy can be used above, on, or below grade on properly designed and prepared concrete slabs that comply with ASTM F710's surface requirements that are intended to receive resilient flooring. Multi-Poxy adhesive may be used over properly constructed plywood or properly installed cementitious underlayment. Installations over existing floor coverings will require proper preparation and bond testing. Please contact Tarkett Sports for additional guidelines and recommendations for installing flooring over existing floor coverings. Not all existing surfaces can be covered and it is recommended that the contractor performing the work is well informed of industry standards produced by the RFCI, ASTM, ACI and other organizations relative to the flooring industry. Due diligence and a versed knowledge of Tarkett Sports' installation guidelines and the flooring industry's best practices by the professional contractor(s) and the flooring mechanic(s) prior to, during, and post flooring installation is presumed.
- The Owner, GC, or CM will supply a permanently dry, clean, smooth, flat, and structurally sound concrete slab as per ASTM F710 (Standard Practice for Preparing Concrete Floors to Receive Resilient Flooring and the Tarkett Sports Installation Guide). It is the responsibility of the installing party to determine the suitability of the subfloor being covered. All polished or burnished concrete shall be properly abraded and "opened" to allow for proper bonding.
- Concrete subfloor will be cured for a minimum of 60 days.
- Patch and repair all cracks, voids, and other imperfections of concrete with high strength Portland cement based patching materials according to the patching manufacturer's guidelines. Do not use gypsum based patching materials. If the concrete is not level, then it should be properly leveled by an experienced underlayment contractor. Follow ASTM F710 as well as the flooring patch manufacture's installation recommendations. For cracks deeper than the carbonized layer of concrete (surface) or for moving or has the potential to move, alternative epoxy fillers should be used according to the manufacturer's instructions. Tarkolay with Mult-Poxy may be a necessary option in conjunction with this type of preparation depending upon conditions.

Specific Installation Information:

- Follow Tarkett Sport's Installation Guidelines for storage, handling, and for more detailed information regarding the use of the Multi-Poxy Adhesive system in conjunction with the floor covering systems intended for installation with this adhesive.
- Ambient temperature, humidity, and porosity, along with the Relative Humidity and/or the Moisture Content will determine its "open time" prior to application of flooring.
- Too long of an open time may cause poor adhesive transfer.
- Do not install equipment for a minimum of 48 hours following installation to allow the adhesive to set properly. Installation foot traffic can be resumed within 6 hours of installation but can vary slightly dependent upon temperature. Public foot traffic is allowed 24 hours following installation.
- The guidelines on the pail of adhesive are for general purposes only. Some products require specific installation methods or have tolerances below those outlined on the label. Refer to Tarkett Sports' Installation Recommendations for detailed information.
- Pot life: If not in use, reseal the pail for the next day's work.

Product Mixing:

This is a single component water-based pressure sensitive adhesive. Fresh material should not require mixing. If nearing its shelf life, inspect the condition of the adhesive. Mixing may be required to blend the components.

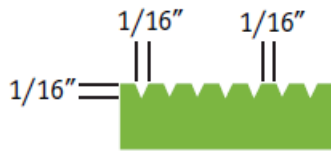
Packaging:

- A single 4 gallon pail.

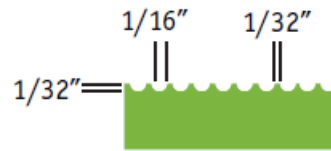
Adhesive Application:

- It is important to maintain a clean and properly notched trowel. Spread the adhesive using the recommended trowel (see trowel chart). Replace trowels as needed to maintain proper spread rates.
- Additives are not allowed to be incorporated into the adhesive at any time.
- Read and understand the installation recommendations for the material to be installed.

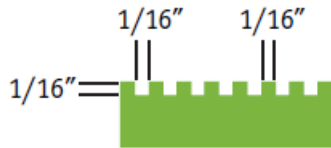
Trowel recommendation and approximate spread rates*



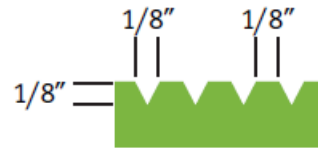
Spread Rate: 135 -160 sq.ft. per gallon



Spread Rate: 150-175 sq.ft. per gallon



Spread Rate: 100 -125 sq.ft. per gallon



Spread Rate: 75 -100 sq.ft. per gallon

Note: Spread Rates Are Approximated

Clean up:

- Remove any fresh adhesive from the surface of the flooring with Mineral Spirits using a clean white cloth.
- Cured adhesive may not be able to be removed without damaging the floor. Do not wash or perform any maintenance on the floor for a minimum of 72 hours after the installation is complete to allow the adhesive time to cure.

Shelf Life:

One (1) year at 70°F (+/- 10° F) in original unopened packaging in a controlled environment. Always store the adhesive in a clean, dry, and secure location. Do not allow the adhesive to freeze.

WARNING:

Do not sand, dry sweep, dry scrape, drill, saw, bead-blast, or mechanically chip or pulverize existing resilient flooring, backing, lining felt, asphalt "cutback" adhesive, or other adhesive. These products may contain asbestos fibers and/or crystalline silica. Avoid creating dust. Inhalation of such dust is a cancer and respiratory tract hazard. Smoking by individuals exposed to asbestos fibers greatly increases the risk of serious bodily harm. Unless positively certain that the product is a non-asbestos containing material, you must presume it contains asbestos. Regulations may require that the material be tested to determine asbestos content. RFCI's Recommended Work Practices for Removal of Resilient Floor Coverings are a defined set of instructions addressed to the task of removing all resilient floor-covering structures.

NOTICE:

Various Federal, State and Local government agencies have regulations governing the removal of in-place asbestos-containing material. If you contemplate the removal of a resilient floor covering that contains (or is presumed to contain) asbestos, you must review and comply with all applicable regulations.

Moisture Testing: See Product Specific Installation Guides

- As outlined within Tarkett Sports Installation Recommendations, slab conditions must comply with the following prior to installation.
- ASTM F710: Discusses the preparation of the slab including but not limited to:
 - Preparation of joints
 - PH
 - Floor level and flatness
 - Vapor Barriers
- ASTM F2569: Non-Destructive Surface Testing and Use of the In-Situ “Determinator Probe”
- ASTM F2170: In-Situ Probe Testing (Relative Humidity)
 - Alternative Moisture Content Testing can be performed with the Tramex and Determinator probe system. A separate document is available for the use and application of this system.
 - Mistakes are often made with moisture tests by those that have not taken the time to clearly understand the correct methods for testing. It is vital that competent and experienced professionals perform these tests for the most accurate results. Contractors should have on hand all of these documents. They can be downloaded online at www.astm.org. It is recommended all that perform moisture testing attend and achieve moisture testing certification through the ICRI. Contact ICRI for certification at <http://www.icri.org/Certification/certificationinfo.asp>.
 - When performing the moisture testing methods, observe and honor the higher readings. One cannot simply take the “good” values and use them in lieu of other test results that are higher. Test results are only an indication of the conditions at the time of testing. Averaging of test results is not permitted. It is recommended that both tests are performed. ASTM F2659 (Surface Testing) can be used as a “pre-test” prior to performing ASTM F2170 testing. Slabs that cannot be confirmed as having functioning vapor retarders in direct contact with the underside of the slab should be considered unpredictable. Influences may alter these conditions hence design and construction of any indoor facility must consider the flooring to be installed. There are recommendations for the design and construction of slabs to receive flooring within ACI 302.2R.
 - This can be purchased online at www.concrete.org/general/home.asp.
 - The Tramex “Determinator Probe System” can be used along with the appropriate Tramex surface meter for effective surface and body testing of a slab.

End of Document