

THE TARKETT COLLECTION
HARMONIUM xfTM SHEET**1. PROPRIETARY PRODUCT/MANUFACTURER**

1.1. **Proprietary Product:** Homogeneous Harmonium xfTM floorcovering, single layer on jute backing with xfTM for reduced maintenance. Recommended areas for use:

- Education – Classrooms, corridors, multipurpose rooms, gymnasiums, laboratories, cafeterias, lavatories
- Offices – Break rooms, offices, corridors, cafeterias, lavatories
- Retail – Sales areas, offices
- Healthcare – Patient rooms, exam rooms, lobbies, corridors, emergency rooms, critical care, laboratories
- Hospitality – Corridors, vending areas, lobbies

1.2. Manufacturer:

Johnsonite, Inc.,	Phone:	(800) 899-8916
16910 Munn Road		(440) 543-8916
Chagrin Falls, Ohio 44023	Tech:	Ext 9297
Web: www.johnsonite.com	Samples:	Ext 9299
E-mail: info@johnsonite.com	Fax:	(440) 632-8920

1.3. Proprietary Product Description

1.3.1. **Construction:** Johnsonite's Harmonium xfTM consists of one homogeneous layer of oxidized linseed oil and natural resins mixed with wood or cork flour, limestone and pigments affixed to a jute backing. The marbled pattern extends evenly throughout the total thickness. Surface has xfTM treatment for reduced maintenance.

1.3.2. **Styles:** Thickness and wear layer varies by product.

- Marbled colors:
 - Veneto: (thickness/wear layer) – 0.080" (2 mm) available in 44 colors.
 - (thickness/wear layer) – 0.100" (2.5 mm) available in 48 colors
 - (thickness/wear layer) – 0.125" (3.2 mm) available in 6 colors
 - Toscana: (thickness/wear layer) – 0.100" (2.5 mm) available in 8 colors.
 - Allegro: (thickness/wear layer) – 0.100" (2.5 mm) available in 6 colors.
- Solid colors:
 - Etrusco: (thickness/wear layer) – 0.100" (2.5 mm) available in 9 colors.
- Packaging - Available in 6' 6" (2 m) wide 65-100 linear feet (20-30 m) per roll.

2. PRODUCT PERFORMANCE AND TECHNICAL DATA

- Meets ASTM F 2034 – Type 1 performance standards for sheet linoleum floor covering
- **Static coefficient of friction:** ASTM D 2047 > 0.6

- **Static Load Limit:** ASTM F 970 – 150 psi
- **Fire Performance:** Flooring Radiant Panel: ASTM E 648 – Class 1

3. INSTALLATION

- The installation of Johnsonite Homogenous flooring should not begin until the work of all other trades has been completed, especially overhead trades. Areas to receive flooring shall be clean, fully enclosed, weathertight, and maintained at a temperature between 70°F to 85°F (18°C to 29°C) for 72 hours before, during, and after the installation is completed. The flooring material and adhesives shall be conditioned in the same manner. A minimum temperature of 55°F (13°C) must be maintained after installation.
- In areas that are exposed to intense or direct sunlight, the product must be protected during the conditioning, installation, and adhesive curing periods, by covering the light source.
- Wood floors should be double construction with a minimum thickness of 1 inch. Material selection shall be made utilizing ASTM F 1482, Standard Guide to wood Underlayments or Use under Resilient Floors. "Particle or chipboard" type underlayments are not acceptable. The floor must be rigid, free of movement and have at least 18" of well ventilated air space below.
- Concrete shall be prepared utilizing ASTM F 710, Practice for Preparing Concrete Floors and Other Monolithic Floors to Receive Resilient Flooring.
- Floors shall be smooth, flat, permanently dry, clean and free of all foreign material such as dust, paint, grease, oils, solvents, curing and hardening compounds, sealers, asphalt, and old adhesive residue.
- Floor covering shall not be installed over expansion joints.
- It is essential that moisture tests be taken on all concrete floors regardless of age and grade level. One test should be conducted for every 1,000 sq. ft. of flooring and the results not exceed 5 lbs. per 1,000 sq. ft. in 24 hours when tested in accordance with ASTM F 1869 Standard Test method for Measuring Vapor Emission Rate of Concrete Subfloor using Anhydrous Calcium Chloride. Or 80% when tested in accordance with ASTM F 2170 Standard Test Method for Determining Relative Humidity in Concrete Floor Slabs using *in situ* Probes. Surface pH of the concrete should range between 7 and 9. If the tests results exceed the limitations, the installation must not proceed until the problem has been corrected.
- For best color match on installation requiring more than 1 roll, be sure rolls to be used in same area are of the same lot number. Install rolls in numerical order according to sequence

number.

- Do not reverse sheets during installation.
- Underscribe seams may be butt-net or heat welded, depending on conditions at jobsite. When heat welding, rout seams with hand router or an electric router. Heat weld with corresponding 4 mm Johnsonite Harmonium xfTM weld rod.
- Material installed under heavy dynamic or static loads will require the use of a specialized firm setting adhesive,
 - Johnsonite 975 Two-Part Polyurethane is recommended for these areas.

3.1. Adhesives:

- **For standard application (sheets) – Johnsonite #950 Linoleum Adhesive:**
Approximate Coverage:
 - Porous Substrate: 100-125 sq. ft.
 - Non-porous Substrate: 125-150 sq. ft.Flooring must be installed within 30 minutes after adhesive becomes tacky. Roll the floor covering with a 100 lb. three-section roller to break down adhesive ridges and expel any entrapped air while adhesive is still wet. Avoid working on newly installed flooring whenever possible.
- **For special application (sheets and tiles) – Johnsonite #975 Two-Part Polyurethane Adhesive:**
Approximate Coverage:
 - Porous Substrate: 125-150 sq. ft.
 - Non-porous Substrate: 125-150 sq. ft.Flooring must be installed while adhesive is wet. Roll the floor covering with a 100 lb. three-section roller to break down adhesive ridges and expel any entrapped air while adhesive is still wet. Avoid working on newly installed flooring whenever possible.

3.2. Installation Manual: Refer to Johnsonite's Harmonium xfTM Installation Instruction for complete installation details.

4. AVAILABILITY AND COST

Available through authorized Johnsonite distributors nationwide.

5. WARRANTY

Limited 5 year warranty. For complete details, contact Johnsonite or an authorized Johnsonite distributor.

6. MAINTENANCE

- Light foot traffic may be allowed 24 hours after installation.
- No heavy traffic, rolling loads, or furniture placement for 72 hours after installation.
- Allow at least 72 hours for adhesive to achieve bond before commencing recommended maintenance routine.
- Do not use acetone or similar materials to clean floors. Furniture rests, cart wheels and tires should be made of soft, non-staining rubber and should be large enough to fully

dissipate the load. Chair pads are recommended for desk areas. Special hard set adhesive is required in areas where heavy static or dynamic loads will occur.

6.1. Refer to Johnsonite's Harmonium xfTM Maintenance Instructions for complete maintenance details.

7. TECHNICAL SERVICES

Samples: Submittal samples for verification and approval available upon request from Johnsonite. Samples shall be submitted in compliance with the requirements of the Contract Documents. Accepted and approved samples shall constitute the standard materials which represent materials installed on the project.

For current Installation and Maintenance Instructions, Product Specifications, and other technical data, visit us on the web at www.johnsonite.com or contact Johnsonite at (800) 899-8916.