

**Division 9300/ 9600
Floor Tile and Vinyl Base**

**New England Floor Coverings
257 Pine Street
Burlington, VT 05401**

Nigel Mucklow

Tel: 802-658-9336 Fax: 802-658-6194

Information Includes:

**Johnsonite Warranty
Johnsonite Granit Acoustiflor Maintenance Instructions
Interface Flor
Interface Flor Commercial Maintenance Specification Guide
Rubber and Vinyl Wall Base Installation and Maintenance Instructions
Johnsonite Limited Warranty**

Johnsonite

LIMITED WARRANTY

WARRANTY AND LIMITATION OF LIABILITY – Johnsonite Flooring – The Tarkett Collection (excluding installation) sold hereunder is warranted by Johnsonite to be free from manufacturing defects in material for a period of five years from the date of original purchase. Floors must be professionally installed. Johnsonite should be notified in writing of any product claim within ten (10) days of the detection of any such defect.

- This warranty applies only for products used, installed and maintained according to the written recommendations and specifications issued by Johnsonite at the time of material purchase.
- To verify that a manufacturing defect exists, inspection by an authorized Johnsonite representative will be required.
- For verified defects in the first year, Johnsonite will supply to its distributor, without charge, new appropriate Johnsonite flooring material of the same or similar color, design and gauge for the defective areas and reasonable* labor.
- For verified defects in the second year, Johnsonite will supply to its distributor, without charge, new appropriate Johnsonite flooring material of the same or similar color, design and gauge for the defective areas and pay 50% of the cost for reasonable* labor.
- For verified defects in the third, fourth or fifth year, Johnsonite will supply to its distributor, without charge, new appropriate Johnsonite flooring material of the same or similar color, design and gauge for the defective areas.
- If the defective material has been discontinued or is otherwise unavailable, Johnsonite reserves the right to select and supply similar Johnsonite Flooring replacement material.

NOTE: It is not recommended to install Johnsonite Flooring – The Tarkett Collection in work or commercial areas exposed to oil and grease, such as commercial kitchens and butcher shops.

* Reasonable is defined as the average labor cost charged by flooring contractors in your area for similar types of repair or replacement.

Excluded from Warranty

These warranties do not apply to the following:

1. **The exact matching of shade, color or mottling.**
2. **Any express or implied promise made by any salesman or representative.**
3. **Tears, burns cuts or damage due to improper cleaning agents or maintenance methods.**
4. **Sale of "Seconds", "Off Goods" or other irregular (non-first quality) flooring materials. With respect to "Seconds" or "Off Goods", such are sold "as is", and Johnsonite makes no warranties whatsoever, express or implied with respect thereto, including warranties of merchantability or fitness for a particular purpose.**
5. **Problems caused by moisture, hydrostatic pressure, or alkali in the sub-floor.**
6. **Problems caused by uses, maintenance and installation that are contrary to Johnsonite's specifications, recommendations or instructions.**
7. **Material installed with obvious defects.**
8. **Damage to flooring products caused by high heels or spike heels, improper floor protectors/casters and furniture rests.**
9. **Installation of Johnsonite products with adhesives other than those recommended by Johnsonite.**
10. **Exterior installations. Johnsonite's products are designed for interior applications only.**

11. **Damage to flooring products from pallet jack and tow motor traffic.**
12. **Differences in color between products, sample materials, color illustrations and photography.**
13. **Additional expenses associated with overtime, replacing appliances, moving furniture, business interruptions, loss of use or other related costs associated to the replacement of the flooring.**

These warranties are in lieu of any other express or implied warranties. Johnsonite shall not be liable for any incidental or consequential damages which result from a defect or whether based on breach of express or implied warranty, negligence, strict liability or any other legal theory, except where the exclusion or limitation of incidental or consequential damages is prohibited by state law. These warranties give you specific legal rights and you may have other rights which may vary from state to state. To know what your legal rights are in your state, consult your local or state Consumer Affairs Office or your State Attorney General.

If you believe you have a claim under this warranty, please take the following steps:

1. Contact the flooring dealer who sold you the floor.
2. If corrective measures do not take place promptly and the problem is manufacturing related, contact:

Johnsonite

A Tarkett Company
16910 Munn Road
Chagrin Falls, Ohio 44023
800.899.8916 phone
440.543.5774 fax
www.johnsonite.com

Johnsonite®

Granit Acoustiflor

Maintenance Instructions

Initial Cleaning

Job site conditions usually cause grit and dirt to accumulate. Initial cleaning should not be performed until 5 days after installation. However the floor should be swept and protected until maintenance begins.

1. Thoroughly sweep or vacuum the flooring to remove all loose dirt and grit.
2. Prepare a cleaning solution of 2 to 4 oz of Taski "Profi" or Johnson Wax Professional "Stride" oil and grease emulsifying neutral detergents (pH of 7-8), per gallon of warm water. The dilution selected depends on light to heavy soil conditions.
3. Apply the cleaning solution with a nylon or rayon mop, and let stand for 5-15 minutes.
4. **IMPORTANT – do not let the solution dry.**
5. Scrub the flooring: Use a 22 gauge nylon bristle brush or low abrasive pad (tan or red) on a single disk rotary\scrubbing machine at low speed (150- 200 RPM).
6. Wet vacuum or mop-up the cleaning solution.
7. Rinse with clean cold water, and then remove all water by vacuum or mop. Replace rinse water often.
8. Allow the flooring to dry thoroughly (Approximately one hour, depending on temperature and humidity).
9. If trades continue to work on or over the floor, properly protect the floor from damage.

Preventative Care:

1. An effective barrier matting system should be installed at all entrances to reduce cleaning costs and extend the life of the floor.
2. Protect the flooring from damage by using good quality protective feet for chairs, tables, and other furniture. Chair mats may be required under chairs with casters/wheels.

Regular/Daily Cleaning:

It is very important to clean flooring at a frequency consistent with the amount and type of traffic. Daily cleaning is recommended.

1. Sweep, vacuum, or dry mop the floor daily when area is in use.
2. Damp mop the floor with a neutral cleaner\detergent (pH of 7-8) such as Taski's "Profi" or Johnson Wax Professional's "Stride Neutral".
 - Mix solution with water per manufacturer's directions.
 - The floor should not be flooded with water. The floor must be virtually dry after 15-20 seconds. Combine machine may be used in large areas. White or red pads should be used.
3. Remove minor stains and scuffs in conjunction with the cleaning. Use a white or red nylon pad with the

neutral cleaner then wipe with clean water.

Dry buffing will produce a matte gloss patina finish.

- Initially buff daily for 30 days if possible, the floor will take on a matte gloss patina appearance that has very good resistance to scuff and will require only minimum upkeep. The patina like appearance will become apparent after five or six buffing operations.
- After the desired gloss appearance has been achieved, buffing frequency can be reduced to fit the traffic pattern required.

Interim Cleaning:

Frequency of interim cleaning depends on the amount and type of traffic.

1. Follow the daily maintenance routine.
2. Additional cleaning requires the use of a rotary\scrubbing machine.
 - Mix neutral cleaner and water per manufacture's directions for spray application.
 - Spray the solution on the floor as the floor is cleaned with a low speed rotary\scrubbing machine (150-200 RPM) with a red fiber pad.
 - Rinse floor with clean water.

Combine machine may be used instead of a rotary\scrubbing machine. White or red pads should be used.

Periodic Cleaning:

Frequency of periodic cleaning depends on the amount and type of traffic

1. Repeat steps for Interim Cleaning.
2. For reduced Maintenance System: Finish process by dry buffing the floor with a red pad (Suitable speed – 1,500 RPM).

Flooring may be maintained in the conventional floor polish/finish maintenance system if desired. Conventional floor polish\finish maintenance system requires periodic stripping of the floor finish.

Special Maintenance Cautions:

1. Do not use steel wool, strong solvents (Lestoil, Top Job, etc. and similar products), gasoline, turpentine, and acetone.
2. Sweeping compounds or mop treated with petroleum solvents, silicone compounds or loose abrasives will damage the flooring.
3. Coatings such as shellac, lacquer, varnish, and paste wax or those containing aromatic solvents are not recommended.
4. Some disinfectant and insecticide sprays contain oil or solvents which may settle on the floor in sufficient quantity to discolor, cause slipperiness, and harm the floor covering.

Johnsonite™

Technical Services Department
16910 Munn Road, Chagrin Falls, Ohio 44023

InterfaceFLOR

InterfaceFLOR, LLC warrants its modular and performance broadloom carpet products in accordance with the terms stated below for a period of 15 years from date of invoice. All InterfaceFLOR and Heuga™ brand products are warranted against excessive surface wear, edge ravel, backing separation, shrinking, stretching and static electricity. Excessive surface wear means loss of more than 10% by weight of face fiber.

Products containing Intersept® antimicrobial are warranted to maintain antimicrobial effectiveness, and products constructed of 100% solution dyed yarns (except for products having applied overprint) are warranted against excessive color loss due to normal exposure to indoor light.

If a product fails to perform as warranted, InterfaceFLOR will correct the problem in the affected area either by repair or (at its option) replacement with comparable products(s), at no charge. Liability of InterfaceFLOR is limited to the actual repair or replacement of defective carpet and does not cover special, indirect or incidental or consequential damages.

This warranty does not cover tears, burns, cuts, pulls or other damage, deterioration, problems or loss caused by abuse, neglect, misuse, improper installation, improper maintenance, flood/excessive moisture, excessive alkalinity or use on stairs. InterfaceFLOR's liability is limited to repair, replacement, or refund as stated herein. Moisture and pH testing are not the responsibility of InterfaceFLOR and all related issues to moisture and pH testing are specifically excluded from this warranty. This warranty shall be void if products are not handled, installed and maintained in strict compliance with InterfaceFLOR's recommended procedures and instructions, including without limitation initial floor preparation and installation. InterfaceFLOR recommends Re:Source Technologies brand adhesives for installation of its carpet products. This warranty does not cover any problems or damages related to use of non-recommended adhesives.

INTERFACEFLOR WILL NOT BE LIABLE FOR ANY INCIDENTAL, INDIRECT, SPECIAL OR CONSEQUENTIAL DAMAGES IN ANY CASE. THE WARRANTY, REMEDY AND LIMITS OF LIABILITY CONTAINED HEREIN ARE EXPRESSLY IN LIEU OF AND EXCLUDE ALL OTHER WARRANTIES, REMEDIES AND LIABILITIES, WHETHER EXPRESS OR IMPLIED. INTERFACEFLOR MAKES NO OTHER REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED, AND HEREBY DISCLAIMS ANY AND ALL OTHER WARRANTIES THAT MAY ARISE BY OPERATION OF LAW, INCLUDING, WITHOUT LIMITATION, ANY WARRANTY OF MERCHANTABILITY OR FITNESS OF ITS PRODUCTS FOR ANY PARTICULAR PURPOSES.



*Mission Zero:
our promise to eliminate
any negative impact our company
may have on the environment
by the year 2020.*

InterfaceFlor Commercial Maintenance Specification Guide

Exclusive to all InterfaceFlor Commercial Products

Table of Contents

Introduction 3

Why is Maintenance Important?
Comprehensive Maintenance Plan
Identifying your needs

Frequency Chart 4

Maintenance Techniques 5

Preventative Maintenance
Chair Pads
Vacuum Cleaning
Spot Cleaning
Dry Extraction
Crystallizing Application
Bonnet Cleaning
Hot Water Extraction

Cleaning Solutions 9

Floor Care Products

Maintenance Equipment 10

Vacuum
Low Moisture Applicator
Hot Water Extractor

Miscellaneous Maintenance Issues 12

Indoor Air Quality: Antimicrobial Protection
Tile Replacement
Access Floors

Spot Removal Guide 13

Consultants and Additional References 16

Version III – November 01, 2006

Introduction

Why is maintenance important? By implementing a routine carpet maintenance program, you preserve and maintain your floor covering and extend the life of your carpet investment. Routine care can prolong the need for restorative cleaning. Restorative cleaning is needed when carpet has been neglected and its appearance has degenerated to a point when cleaning is an absolute necessity. Excessive soils and stains may require different methods or a combination of methods to be utilized. However, even restorative cleaning typically will not achieve the desired original beauty and appearance of the floor covering if the carpet has been neglected. Routine care means a longer lasting product. What is important is to implement a maintenance program from the beginning. An effective maintenance program is carefully planned and executed on schedule. There are many factors that can affect the appearance of carpet including color, pattern, yarn fiber, and of course maintenance.

Comprehensive Maintenance Plan

An effective maintenance program consists of five key elements:

- **Preventative Maintenance** – containing the soil entering the building using walk-off mats at entrances. This includes outside matting, inside matting and mats at certain other high traffic interior areas.
- **Vacuuming** - regular vacuuming is the single most important part of a maintenance program. Vacuuming is designed to remove dry soil matter.
- **Spot and Spill Removal** – quick response to spills is the key. The faster spills are dealt with the less chance that it will leave a stain.
- **Interim Cleaning** – several different methods can be utilized. If used regularly, interim cleaning can prolong the need for restorative cleaning.
- **Restorative Cleaning** – deep cleaning designed to remove trapped soils. Hot water extraction is the most effective method and the **only** restorative method recommended by InterfaceFLOR Commercial.

Identifying Your Specific Maintenance Needs

Just as various areas of your office or building are subject to different uses, each area demands a different level of maintenance and care. Heavily trafficked areas such as entrances and corridors require more frequent vacuuming and cleaning. Areas around vending machines and desks need daily attention to spills and stains. Also certain areas may require different types of equipment to be used. A comprehensive maintenance program should have a chart or diagram of the building's floor space outlining proper cleaning frequency rates, methods and equipment. This well designed maintenance plan will add years of useful life to your carpet investment.

Commercial Carpet Cleaning Frequency Chart

Traffic Soil Rating	Carpet Owner/ Maintainer		Professional Carpet Cleaner/ Restorer	
	Vacuuming	Spot Cleaning	Interim Maintenance (Between Restorative Cleanings)	Restorative Cleaning
Light <500 foot traffics per day	1 to 2x per week	Daily or as soon as spots are noticed	1 to 3x annually	1 to 2x annually
Medium (moderate) 500-1000 foot traffics per day	Daily in traffic areas. Overall 3 to 4x per week	Daily or as soon as spots are noticed	3 to 6x annually	2 to 4x annually
Heavy 1000 – 2500 foot traffics per day	Daily in traffic areas. Overall 4 to 7x per week	Daily or as soon as spots are noticed	6 to 12x annually	3 to 6x annually
Very Heavy >2500 foot traffics per day	1 to 2x daily in traffic areas. Overall 7x per week	Daily or as soon as spots are noticed	12 to 52x annually	6 to 24x annually

***Recommended frequency guide per IICRC S100
(Institute of Inspection Cleaning, and Restoration)**

Maintenance Techniques

The maintenance program is designed to prevent soil from reaching the carpet and to remove soil before it causes damage. To keep your carpet clean and looking like new, this soil management program uses a combination of methods. These methods are tailored to your facility's needs. Cleaning frequencies are based on the specific needs of trafficked areas in your facility.

Preventative Maintenance

Maintaining your carpet's appearance means more than choosing the right cleaning method. Choosing the right products up front contributes greatly to the overall performance of your floor covering. The use of walk-off mats helps keep soil from entering the building. Outside mats are designed to scrape dirt and debris off shoes while interior mats are designed to remove smaller soil particles as well as help absorb moisture. Interior walk-off mats should extend a minimum of six feet inside the entrance. At 15 feet, the mats can effectively remove 80% of soil and moisture before it reaches the carpet. Mats can also be effective in other interior areas including elevators, around water coolers and food station areas, and at stair thresholds. Walk-off matting should be maintained the same way as interior carpet using the frequency guidelines for 'Very Heavy' based on the chart on page 4.

Chair Pads

Chair pads are **NOT** required with any InterfaceFlor Commercial carpet.

Vacuum Cleaning

A good vacuuming program is essential to the success of your carpet maintenance efforts. Effective daily vacuuming reduces the frequency of periodic maintenance procedures required to maintain clean carpet. In addition to removing soil, vacuum cleaning also helps to lift and restore pile particularly for cut pile carpet. Proper equipment and technique are critical to the success of a vacuuming program.

Machines with cylinder brushes should be used and set so that brushes are in contact with pile surfaces. Twin motor machines with independent motors for suction and brushing are preferred for this task. In most cases upright vacuum cleaners are advised; canister and back pack type machines without brushes and riding sweepers with rotary brushes are generally **not** recommended. Vacuums with top loading soil bags and HEPA filters are highly recommended as are those that are Green Label certified by The Carpet and Rug Institute. For a list of these certified vacuum cleaners see the CRI website at www.carpet-rug.com.

The frequency of vacuuming is determined by visual inspection, but should be done daily. Heavy traffic areas such as lobbies, entryways and barrier mats, particularly those exposed to various weather conditions, may require more frequent vacuuming. Vacuuming these areas more than once a day will help prevent soil from being tracked into other areas. The procedure for thorough vacuuming is using slow overlapping strokes making sure that the entire carpet surface is covered. Strokes should be no longer than 2 -3 feet in length to avoid constant bending.

NOTE: FOR THE PRODUCTS FLOR S AND SUPER FLOR THE SUCTION ONLY SETTING ON AN UPRIGHT VACUUM IS RECOMMENDED.

Spot Cleaning (NYLON CARPETS ONLY)

Daily removal of spots and spills helps maintain the carpet's appearance between scheduled cleanings. Immediate action against spots and spills also reduces the probability of a permanent stain. It is important to use solutions that are appropriate for the specific type of spot or spill – liquid water based, liquid oil based, or solids including gum. Use spotting solutions sparingly and always try to remove the spot with water only before using a spotting solution. If available, using a portable extractor will significantly improve the ability to remove spots.

Treating Water-Based Spots

For liquid spills, blot up as much of the liquid as possible with a clean white cloth. If the spill is semi-solid or has hardened, scrape it with a spoon or spatula and then blot the spot with a damp sponge. Always work from the edge of the spot towards the center. Never rub across a wet spill in a manner that causes the stain or contamination to be spread from the original area.

If spot remains after using water, refer to our spotting guide and choose the appropriate solution. Apply a minimal amount of solution and using a hand brush, gently agitate the solution. Rinse with water and allow the area to dry about 1 hour and then vacuum. Repeat the application if necessary. Protect the freshly cleaned area until the carpet is completely dry. Do not brush aggressively on the spot.

Treating Oil-Based Spots

When removing oily stains such as paint, grease, tar, asphalt, always check for color fastness by applying your cleaning solution to an inconspicuous area of the carpet. Spray the solvent onto a white cloth and press it onto the carpet. Check the cloth for any evidence of dye transfer to the cloth. If color transfer is evident, do not use the solution. If color fastness is not a problem, apply your solution sparingly to a clean white cloth and press the cloth onto the spot.

Again, do not rub across the stain, but wipe gently from the outer edge toward the center of the spot. Repeat the procedure until the spot has been removed. Rinse with water and allow the area to dry about 1 hour and then vacuum. Protect the freshly cleaned area until the carpet is completely dry.

NOTE: HAVING A SMALL EXTRACTOR MACHINE HANDY ALWAYS MAKES IT EASIER TO FLUSH OUT ANY SPILL. IF STAIN CANNOT BE REMOVED PLEASE CONSULT A CARPET CLEANING PROFESSIONAL OR CONTACT AN INTERFACE CONSULTANT.

Interim Cleaning

Dry Extraction

The low moisture dry extraction method is a safe, easy, and effective method for handling maintenance on a regular basis. The procedure does not leave the carpet wet and allows for immediate access and traffic once the procedure is complete.

Follow this process for dry extraction: Thoroughly vacuum the carpet. Spread extraction compound on the carpet and then agitate using a low moisture applicator with counter rotating brushes to gently brush the solution into the fiber, dislodging and dispersing accumulated soil. Allow 30 minutes for drying before vacuuming particulate and soil from the carpet.

NOTE: FOR FLOR S AND SUPER FLOR PRODUCTS, HOT WATER EXTRACTION IS THE ONLY RECOMMENDED PROCEDURE.

Crystallizing Application (Dry Foam or Encapsulation)

The crystallizing method of maintenance is a low moisture procedure similar in some respects to the dry extraction method but instead of using the powder, a liquid encapsulation solution is used. Benefits include immediate access to the area without the necessity of extended drying time.

Follow this procedure for crystallizing application: Thoroughly vacuum the carpet. Apply the encapsulation solution using an electric sprayer or a simple pump-up garden type sprayer. Agitate the carpet pile using a low moisture applicator with counter rotating brushes to gently brush the solution into the fiber, dislodging and dispersing accumulated soil. Allow time for the solution to dry. Drying time will vary accordingly to several factors including humidity, air flow and air temperature but can normally be expected to be 30 - 60 minutes. Finish with vacuuming. This process is designed to encapsulate the soil as the solution dries forming small crystals that can easily be vacuumed out of the carpet. Most of these products provide the additional benefit of coating the fiber to help prevent re-soiling.

Bonnet Cleaning

NOTE: BONNET CLEANING IS NOT RECOMMENDED AND MAY VOID ALL WARRANTIES.

Hot Water Extraction

As with all other maintenance methods, always prepare the carpet by vacuuming.

Hot water extraction is an effective method for removing heavy soil and residue from carpeting. Start by applying a detergent pre-spray appropriate for carpet using an electric or pump type sprayer. Agitate the pre-spray with a low moisture applicator. Using only clean water in the extractor, thoroughly rinse the carpet. For heavily soiled high-traffic areas the addition of a minimal amount of detergent designed for extractors can be added to the clean water tank. The hot water extraction method injects water into the carpet. The injected water suspends the soil and contaminants in the solution for easy removal by the built-in vacuum system.

The recommended technique: Operate the floor wand or self-contained extractor by engaging the solution valve or button and pulling or pushing the equipment for approximately three to five feet (or at a comfortable distance). Release the solution valve before reaching the end of your pass to assure that you vacuum up all of the solution. Cover the same area two or three times with the solution valve off to remove as much moisture from the carpet as possible.

Overlap approximately two inches on the area already cleaned and proceed as described above. In extremely soiled areas, it may be necessary to make two or three additional passes with the solution valve on. Make several additional passes with the solution valve off to remove as much moisture from the area as possible, always being careful not to over wet the carpet.

NOTE: ALTHOUGH IT IS RECOMMENDED THAT WATER TEMPERATURE RANGE BETWEEN 110° AND 130° F, USING WATER WITH TEMPERATURES ABOVE THAT RANGE WILL NOT CAUSE ANY DAMAGE TO OUR PRODUCTS .

Make sure HVAC system is on and use drying fans (air movers) on wet areas during and after cleaning to allow the carpet to dry completely. Complete the procedure with a thorough vacuuming.

NOTE: DRYING TIMES WILL VARY BASED ON INTERNAL AND EXTERNAL ENVIRONMENTAL CONDITIONS. DO NOT ALLOW FOOT TRAFFIC ON THE CARPET UNTIL IT IS DRY. ALLOWING FOOT TRAFFIC BEFORE CARPET IS DRY CAN CAUSE FIBER DAMAGE AND RAPID RE-SOILING.

Cleaning Solutions

Some commercial carpet cleaning solutions are very harsh and can damage the carpet fiber. It is important to select solutions that meet the basic standards outlined here and to evaluate each product before using it.

InterfaceFLOR Commercial brand carpet may be maintained using a number of widely recognized and readily available carpet cleaning agents that have the CRI Seal of Approval. For a list of these certified cleaning solutions see the CRI website at www.carpet-rug.com. Avoid products with pH levels over 9.5 and products that contain toxic or flammable solvents. Detergents designed for use in hot water extraction equipment should not contain oil based defoamers and caution should be used with the amount of detergent added. Oil based defoamers have the potential to leave oily residues and adding too much detergent could leave excess detergent on the carpet. Both scenarios will lead to rapid re-soiling and the need for more frequent cleanings. In addition, cleaning solutions containing optical brighteners should not be used. Optical brighteners can adversely affect the coloration of carpet and lead to premature aging of the carpet.

Cleaning solutions used for Interim and/or Restorative cleaning should be tested for sticky residues that may cause re-soiling. To test a solution, pour a small amount in a clean glass dish. Allow the solution to air dry completely (24 hours minimum). Break up any hard residue on the surface of the glass dish and examine it. If the residue can be characterized as dry powder, dry flakes or dry crystals, the solution is acceptable. If the residue appears oily, greasy, sticky, or in waxy flakes, the solution is not acceptable since it would likely contribute to rapid re-soiling.

Spotting solutions should be used as needed and should be flushed out with clean water after the spot has been treated.

Maintenance Equipment

Using the right equipment is as important as using the right cleaning solutions and the best techniques. These guidelines provide the technical specifications you need for key pieces of carpet maintenance equipment.

Vacuum

(For twin motor uprights)

Power	• 8 amp
Filtration	• Down to .3 microns or lower
Vacuum	• 60 " waterlift-motor or better @ 90+ cfm
Brush	• Toothed belt drive preferred • Brush speed 2,500 - 5000 rpm • Brush diameter 2" - 3½"
	• Brush height adjustment essential; self-adjusting design preferred
Working Width	• 15" - 22"
Dust Bag Capacity	• 300 - 400 cubic inches

NOTE: VACUUM CLEANER SHOULD BE 'GREEN LABEL' CERTIFIED BY THE CARPET AND RUG INSTITUTE (CRI). TOP-LOADING DUST BAG MACHINES WITH HEPA FILTERS ARE STRONGLY RECOMMENDED. BATTERY POWERED VACUUM CLEANERS ARE NOT RECOMMENDED.

Low Moisture Applicator

Power	• 2-8 amp
Width	• 12 " - 22 "
Brushes (2)	• 10 " - 20 " Counter-rotating
Brush speed	• 400 rpm

Hot Water Extractor

Power	• 10 - 15 amp
Fluid Delivery	• ½ gallons/minute 50-100 psi
Tanks	• 8-20 gallon solution • 8-20 gallon recovery
Vacuum	• 100 " - 140 " water lift at around 90-100 cfm
Vacuum Shoe	• 11 " - 18 " wide
Wheels	• Non-marking 4 " - 10 " diameter

NOTE: ALTHOUGH TRUCK-MOUNTED UNITS GENERALLY GIVE OPTIMAL PERFORMANCE, HIGH QUALITY SELF-CONTAINED UNITS ARE EQUALLY AS EFFECTIVE AND ARE THE PREFERRED METHOD FOR MOST COMMERCIAL ACCOUNTS.

Miscellaneous Maintenance Issues

Indoor Air Quality: Antimicrobial Protection

Indoor air quality problems cost North America more than \$100 billion each year in health care, absenteeism, lost production time, and lost revenue. Microorganisms have been identified as a major cause of common indoor air quality issues. Although all InterfaceFlor Commercial products have the patented antimicrobial treatment Intersept, regular maintenance of your floor covering can assist in the reduction of microorganisms in your floor covering.

Tile Replacement

i2 products or tiles that become badly stained or damaged can be replaced from shelf stock. Tiles can be removed by slipping a knife edge under one corner and peeling it from the floor. Be sure that the face pile of the surrounding tiles are brushed upright and that the replacement is fitted carefully to prevent pile fibers from becoming trapped between joints.

Carpet tiles taken from shelf stock will likely have a newer appearance than the ones being replaced. If new tiles stand out in sharp contrast to surrounding older tiles, you may want to shuffle them in a "musical chair" fashion. Place the new tile(s) in less visible areas, and place the aged, undamaged tiles in a more visible area.

Access Floors

Where applicable, contact should be made with the relevant access floor manufacturer for recommendations for carpet cleaning directions in relation to the methods and techniques recommended herein. Low moisture methods and techniques are generally preferred.

Spot Removal Guide

The chart below is a guideline to spot removal. Follow each step in order, proceeding to the next step only if the previous step failed to remove the stain. The use of a portable extractor with water is highly recommended for a first attempt at spot removal and can be used after each step to flush solution. For unknown spots use water first then try dry cleaning solvent, followed by detergent solution.

If you cannot remove the spot following these guidelines, call InterfaceFLOR Commercial maintenance support at 1.800.336.0225, ext. 6268

Spotting Solutions

- 1. Detergent Solution** - Mix 1/4 teaspoon colorless mild detergent in 1 cup water.
- 2. Ammonia Solution** - Mix 1 tablespoon clear household ammonia in 1/2 cup water.
- 3. Vinegar Solution** - Mix 1/3 cup white household vinegar in 2/3 cup water.
- 4. Dry Cleaning Solvent** - Apply isopropyl alcohol (standard rubbing alcohol) to clean cloth and blot. DO NOT apply directly on carpet.

Beer	1	3	
Blood	1	2	
Butter & Margarine	4	1	
Candle Wax	Scrape away as much as possible with a spoon or dull knife.	4	
Catsup/ Tomato Sauce	1	2	
Chewing Gum	Harden gum with ice until brittle enough to scrape away with a spoon or dull knife.	4 or use a commercial chewing gum remover.	
Chocolate	Scrape away as much as possible with a spoon or dull knife.	1	2
Cocktails	1	3	
Coffee	1	3	
Cough Syrup	1	2	
Crayons	Scrape away as much as possible with a spoon or dull knife	4	
Egg (raw)	Blot up as much as possible.	1	2

Food Coloring	1, until color no longer transfers to towel.	2	
Fruit Juice	1	2	
Furniture Stain	4		
Glue	1	4	
Grass	1		
Gravy	1	2	
Greases	Scrape away as much as possible with a spoon or dull knife	4	
Ice Cream	1	2	
Ink (Ballpoint)	4		
Ink (India)	4		
Jam and Jelly	1	2	
Lipstick	Scrape away as much as possible with a spoon or dull knife	2	
Merthiolate & Mercurochrome	1	2	
Mildew	1	2	
Milk	1	2	
Mucilage	1	2	
Mud	Scrape away as much as possible with a spoon or dull knife	1	2
Mustard	1	3	
Nail Polish	4	Apply amyl acetate or nail polish remover to cloth and blot. PRETEST FIRST.	
Oils	4		
Paint (Oil-Based)	4		
Paint (Water-Based)	1	2	
Rubber Cement	Roll the glue off if it has hardened sufficiently.	4	
Rust	Apply rust remover or warm oxalic acid solution for 10-15 minutes	2	
Shoe Polish	4		
Soft Drinks	1	2	
Soot	1	4	

Tar & Asphalt	Scrape away as much as possible with a spoon or dull knife	4	
Toothpaste	1	3	
Urine	Blot up as much as possible if still wet.	1	3
Vomit	Blot up as much as possible if still wet.	1	2
Wine	1	3	

Consultants

For more information about carpet maintenance, please contact one of the following consultants:

www.interfaceflorcommercial.com

Mark French

706-812-6268

(vm) 800-336-0225 x. 6268

(fax) 706-884-8669

mark.french@interfaceflor.com

InterfaceFlor Commercial

1603 Executive Dr

LaGrange, GA 30240

Steven Twiss

(vm) 800-336-0225 x. 2117

(fax) 613-966-8645

steven.twiss@interfaceflor.com

InterfaceFlor Commercial (Canada)

233 Lahr Drive

Belleville, Ontario K8N 5S2 Canada

Jimmy Garrett

(vm) 800-336-0225 x. 6141

(fax) 706-882-1430

jimmy.garrett@interfaceglobal.com

InterfaceFlor Commercial

1503 Orchard Hill Rd

LaGrange, GA 30240

Additional References

Carpet and Rug Institute - www.carpet-rug.com

The Institute of Inspection, Cleaning and Restoration Certification - www.iicrc.org

RUBBER AND VINYL WALL BASE

INSTALLATION AND MAINTENANCE INSTRUCTIONS

INTRODUCTION

Johnsonite Rubber and Vinyl Wall Base are manufactured with the most advanced technology and from the highest quality materials to assure dimensional stability, precision fit, and uniform height and gauge. Johnsonite's unique "satin finish" resists scuffing, gouging, will not fade, discolor, or crack with age and is easy to maintain.

Johnsonite Rubber Wall Base is manufactured from a proprietary thermoplastic rubber compound. Its full 1/8" (3.17 mm) thickness helps mask wall surface imperfections that may show through thinner products.

Johnsonite Vinyl Wall Base is manufactured from a thoroughly blended polyvinyl chloride compound in both .080" (2.03 mm) and 1/8" (3.175 mm) thicknesses.

Both Rubber and Vinyl Wall Base are available in standard toe or toeless styles in: 2-1/2" (6.35 mm), 4" (10.16 cm) and 6" (15.24 cm) heights, and 4' (1.22 m) straight lengths or 120' (36.576 m) coils. (Note: 6" products are packaged in 100' (30.48 m) lengths.)

The highest quality of materials and workmanship are employed in the manufacture of Johnsonite Wall Base products and careful inspection is made before shipment. However, a quality installation is the responsibility of the installer and we recommend that all materials be checked for satisfactory color match before you begin installation.

Johnsonite cannot accept any responsibility for loss or damage that may result from the use of this information, due to the possibility of variations of processing or working conditions and/or workmanship outside our control. Users are advised to confirm the suitability of this product by their own tests.

HANDLING AND STORAGE

1. Johnsonite Wall Base and adhesives must be site conditioned at room temperature for 24 hours prior to, during, and after the installation.
Room temperature must be between 65° and 75° F (18° and 22° C).
2. Care must be taken not to pull the wall base excessively when removing it from the carton or unrolling the coils. **The wall base will not shrink, but it will relax to its original length, if stretched.**

SURFACE PREPARATIONS

1. Floors and walls must be clean, dry, free of dust, all paints, wallpaper, and all other foreign matter, which may effect adhesive bonding.

2. **Do not install Johnsonite wall base over vinyl wall coverings or epoxy painted surfaces with latex water-based adhesives.**
(Note: Some high solids containing latex paint formulations may impede the adhesive drying process similar to epoxy paint.)
3. **Never install Johnsonite Wall Base on surfaces that will be exposed to drastic temperature changes or moisture.**

EQUIPMENT/MATERIAL REQUIREMENTS

Approved Johnsonite Adhesive
1/8" square-notched trowel
Utility knife
Straight edge
Tape measure
Carpenter's square
Hand roller
Dividers (Crain #380 or equivalent)
Top-Set or Pull-Type Gouge Tool

WALL BASE INSTALLATION

1. Allow coiled wall base to lay flat for at least 24 hours at 65⁰ F prior to installation.
2. For installations on **porous wall surfaces**, spread Johnsonite #960 Wall Base adhesive to the ribbed surface (back) of wall base with a 1/8" square-notched trowel. The adhesive should cover 80% of the back surface. Leave a 1/4" uncovered space at the top of the wall base to prevent the adhesive from oozing onto the wall above the base when installed.
3. For installations on **non-porous wall surfaces** (i.e.: metal, epoxy paint, ceramics, etc.) apply Johnsonite #945 Contact Bond adhesive to both the wall surface and the back of the wall base. Allow adhesive to thoroughly dry to the touch. The adhesive will turn from "white to clear" when dry. Carefully position the wall base on the wall surface.

Note: Once contact is made to the wall surface, the wall base cannot be moved.

4. Position wall base on wall surface and roll with hand roller.
Always roll back to starting point to prevent stretching wall base.
5. Clean-up: Remove wet adhesive with a water dampened cloth. If adhesive has dried, use a cloth dampened with mineral spirits.

CORNER INSTALLATION

Factory Made Corners

1. Install factory made corners before installing wall base.
2. Trowel adhesive to ribbed back of wall base corner.
3. Position corner in place and roll to ensure proper adhesive bond.
4. Attention should be given to a tight and even fit to the corner.
Note: Contact adhesive may be used to ensure a faster setup at the corner.

FIELD-MADE INSIDE CORNERS

1. Install wall base and terminate into the corner.
2. Position another piece of wall base on opposing wall, without adhesive, approximately 1" from the installed piece.
3. Utilizing the dividers, place the hooked end at the top of the installed piece and the pointer end on the top of the uninstalled piece. Carefully, move the dividers downward in a straight vertical motion, allowing the hooked end of the dividers to follow the profile of the installed piece. At the same time, place adequate pressure on the pointer end to transfer and/or scribe the profile onto the surface of the uninstalled piece.
4. Use a utility knife to cut the pattern on the uninstalled wall base, apply adhesive, and position the trimmed section into place.

FIELD-MADE OUTSIDE CORNERS

1. Stop application of adhesive to wall base approximately 18" (45cm) from the outside corner of the wall.
2. Position the wall base at the corner and pencil line the back of the wall base where the bend is desired.
3. Lay the wall base on the floor with the back up. Utilizing a top-set or pull-type gouge tool, make a shallow notch along the pencil line. Note: The notch depth should not exceed one-quarter the total thickness of the wall base.
4. Reposition the wall base corner on the wall. The corner of the wall should fit snugly into the notched recess on the back of the wall base.
5. Apply adhesive and roll firmly into place. Note: Contact adhesive may be used to ensure a faster setup at the corner.

MAINTENANCE

Johnsonite Rubber and Vinyl Wall Base is maintained with regular wiping with a soft, wet cloth. A mild soap may be added to the water. An acrylic wax may be applied to increase the gloss level when desired. Coarse scrubbing media or harsh cleaning chemicals may damage the surface of the wall base.

Revision 5, Released January, 2001

LIMITED WARRANTY

For a period of one (1) year, from the date of shipment, Johnsonite makes the following warranty, subject to the terms and conditions specified herein, for all Johnsonite rubber and vinyl wall base, rubber tile, stair treads, stair nosings, Bronze and Rigid PVC Stair Nosings, Floor Keeper Matting and accessories.

For Johnsonite Replay Rubber Sports Floor Tiles and Rolls, Johnsonite warrants the wearability of this product for a period of two (2) years from the date of installation.

For Johnsonite 2mm and 1/8" thick Rubber Floor Tiles, Safety Stride Solid Vinyl Floor Tiles, Triumph Rubber Sports Floor Tiles and Terra Turf only, Johnsonite warrants the wearability of these products for a period of five (5) years from the date of installation.

For Johnsonite 4mm thick Rubber Floor Tiles and ComforTech Rubber Sheet Flooring only, Johnsonite warrants the wearability of these products for a period of ten (10) years from the date of installation.

If dissatisfied with the wearability, the owner must notify Johnsonite and permit an inspection of the flooring. If the original flooring is worn through and the flooring has been properly installed and maintained, Johnsonite will replace the worn out flooring at its cost in the affected room or area, subject to a charge to the customer to reflect a pro-rated discount for the age of the flooring.

Johnsonite products will conform to the contract description, with only such reasonable variation as is acceptable in the trade; it is fit for the ordinary purposes for which the product is used; and it will be adequately packaged and labeled.

Johnsonite will replace any defective product at no charge if the defect is found prior to installation. If the customer believes the product to be defective after installation, the customer must promptly notify Johnsonite and permit an inspection of the product.

If, upon inspection, Johnsonite determines the product to be defective, subject to the limitations contained in this warranty, Johnsonite will replace the defective product at its cost in the affected room or area.

To be eligible for replacement under any of these warranties, the customer must give Johnsonite written notice of any claimed defect immediately upon learning of the defect and in no event more than 90 days after the claimed defect is discovered. Notice shall be given to Johnsonite at its corporate address of 16910 Munn Road, Chagrin Falls, Ohio 44023.

Excluded from Warranty

These warranties do not apply to the following:

1. The exact matching of shade, color or mottling.
2. Any express or implied promise made by any salesman or representative.
3. Tears, burns, cuts or damage due to improper installation, improper use, or improper cleaning agents or maintenance methods.
4. Labor costs for installation of original or replacement material.
5. Sale of "Seconds," "Off Goods" or other irregular (non-first quality) flooring materials. With respect to "Seconds" or "Off Goods", such are sold "as is", and Johnsonite makes no warranties whatsoever, express or implied with respect thereto, including warranties of merchantability or fitness for a particular purpose.
6. Problems caused by moisture, hydrostatic pressure, or alkali in the sub-floor.
7. Problems caused by uses, maintenance and installation that is contrary to Johnsonite's specifications, recommendations or instructions.
8. Material installed with obvious defects.
9. Damage to flooring products from high heels or spike heels.
10. Installation of Johnsonite products with adhesives or other than those recommended by Johnsonite.
11. Exterior installations. Johnsonite's products are designed for interior applications only.
12. Fading and/or discoloration resulting from heavy sunlight penetration and ultra-violet ray exposure from direct or glass filtered sunlight.
13. Material that is not installed and maintained as recommended by Johnsonite.
14. Damage to flooring products from pallet jack and fork lift traffic.
15. Premature wear and deterioration from spikes and skate blade exposure.

These warranties are in lieu of any other warranty expressed or implied. Johnsonite shall not be liable for any incidental or consequential damages which may result from a defect. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. These warranties give you specific rights and you may also have rights which may vary from state to state. To know what your legal rights are in your state, consult your local or state Consumer Affairs Office or your state's Attorney General.

INSTALLATION & MAINTENANCE NOTES

Rubber Wall Base:

1. Not for use over vinyl wall coverings or epoxy paint and/or any non-porous surfaces.
2. Generally requires little maintenance. If deemed necessary, an acrylic floor finish can be applied.
3. Johnsonite Rubber Wall Base will not shrink. Improper installation can cause stretching of the material and cause gaps when the material returns to its original length.

Vinyl Wall Base:

1. Not for use over vinyl wall coverings or epoxy paint and/or any non-porous surfaces.
2. Generally requires little maintenance. If deemed necessary, an acrylic floor finish

can be applied.

3. Johnsonite Vinyl Wall Base will not shrink. Improper installation can cause stretching of the material and cause gaps when the material returns to its original length.

Rubber Tile and Rubber Sheet Flooring (all types):

1. Proper maintenance on a regular basis is essential to the appearance and the wear-life of the tile and sheet flooring.

2. Tiles may have slight color variations not detected at the factory. All tiles must be dry laid and examined under standard lighting conditions for color acceptance before being installed (see installation brochure).

3. Certain chemicals and various substances normally attack rubber formulations. Johnsonite Rubber Tile and Rubber Sheet Flooring should not be used in commercial kitchens and/or areas where impregnation from cooking oils, vegetable fats, etc. is likely to occur. If any particular chemicals or substances are going to be present in the environment, adequate testing should be done in advance to ensure suitability for the application.

4. Certain oils and anti-oxidants sometimes used in the manufacture of rubber tires can cause staining and discoloration. In auto showrooms, for example, we recommend that tires NOT be allowed to come in direct contact with the tile. We suggest utilizing a pad made from carpet, masonite, scrap tile, etc. Call factory for specific details.

Note: ComforTech Rubber Sheet Flooring is not recommended for use in auto showrooms.

Note: ComforTech Rubber Sheet Flooring is not warranted against damage from lack of protection under caster chairs.

5. Not recommended for use in hospital operating rooms, or computer rooms; NOT a conductive tile.

Rubber and Vinyl Stair Treads:

1. Back of the tread must be cleaned with denatured alcohol to ensure proper adhesion.

2. The nose of the tread must fit tightly against the face of the stair riser or nosing. Any open spaces at the nosing between the step and the tread must be filled with Johnsonite #930 Epoxy Caulking compound (nose filler).

3. All treads and risers must be thoroughly rolled until a firm bond has been obtained.

4. No traffic for 24 hours.

5. Proper maintenance on a regular basis is essential to the appearance and wear-life of the treads.

6. For rubber stair treads see number 3 under Rubber Tile.