

1.0 GENERAL CONDITIONS

.1 SCOPE OF WORK

- .1 The Work to be done under this Contract shall consist of the removal and disposal of existing rubber sports flooring and base, existing concrete slab substrate preparation, application of solvent free acrylic primer, application of self-leveling cement based underlayment and repair mix, and the installation of Johnsonite "INERTIA" Slidelock Sports Rubber Flooring Tiles and thermoset traditional rubber wall base.
- .2 Contractor shall "mechanically" scarify the existing Mondo sports rubber flooring and to remove adhesives and residue.
- .3 Mechanically remove all loose or weak concrete, dirt, debris and any contaminants that could act as a bond breaker. Do not use chemicals to prepare the substrate, including acid etching, sweeping compounds, solvents or adhesive removers. The substrate preparation shall be in accordance with Mapei written recommendations and instructions.
- .4 The application of the concentrated, solvent-free acrylic primer and high strength, self-leveling cement-based underlayment and repair mix shall be installed in accordance with the Mapei written Product Specifications and Technical Data Sheet for full details.
- .5 The Johnsonite "Inertia" Sports Rubber Tile flooring shall be installed in accordance with the Manufacturer's written Product Specifications and Technical Data Sheet for full details.

2.0 MATERIALS

.1 PRODUCT DESCRIPTIONS

.1 PRIMER

- .1 ACCEPTABLE PRODUCTS: PRIMER L is a concentrated, solvent-free primer used prior to the installation of underlayment and topping materials as manufactured by Mapei.
- .2 Primer L must be used before the installation of Novoplan 2 Plus self-leveling underlayment.
- .3 SURFACE PREPARATION: Thoroughly clean the surface and remove substances that could interfere with the bond of the installation material. Concrete surfaces must be mechanically profiled and prepared by scarifying method.
- .4 APPLICATION: Ensure concrete substrate and ambient room temperatures are between 50°F and 95°F (10°C and 35°C) before application. Temperatures must be maintained within this range for at least 72 hours after the installation of primer and finished material. Apply primer with a push broom or brush. Do not use roller to apply. The maximum open time between coats or before applying a leveler is 18 hours.

.2 SELF-LEVELING UNDERLAYMENT

- .1 ACCEPTABLE PRODUCT: NOVOPLAN 2 PLUS is a high-strength, self-leveling cement based underlayment and repair mix as manufactured by Mapei.
- .2 Before application of Novoplan 2 Plus, always properly prepare the surface and prime with Primer L.
- .3 Novoplan 2 Plus should only be used between 50°F and 85°F (10°C and 29°C).
- .4 EXPANSION AND CONTROL JOINTS: Provide for expansion and control joints where located, including the perimeter of the room, columns, supports and equipment pedestals.

.5 SURFACE PREPARATION: Thoroughly clean the surface of any substance that could interfere with the bond of the installation material. Concrete surfaces must be mechanically profiled and prepared by scarifying method. Concrete substrate and ambient room temperatures must be between 50°F and 85°F (10°C and 29°C) before application.

.6 APPLICATION: Before installation, close all doors and windows, and turn HVAC systems to prevent drafts during application and until floor is cured. Protect areas from direct sunlight. Make sure the concrete substrate and ambient room temperatures are between 50°F and 95°F (10°C and 35°C) before application. Temperatures must be maintained within this range for at least 72 hours after the installation. Novoplan 2 Plus shall be installed in accordance with Mapei written instructions and product Specifications.

.7 CURING: Novoplan 2 Plus is self-curing do not use a damp-curing method or curing and sealing agents. Turn off all forced ventilation and radiant heating systems. Protect for up to 24 hours after completion. Avoid walking on the installed surface for at least 24 hours after installation. Protect installation from traffic, dirt, and dust from other trades until Novoplan 2 Plus has completely cured. Do not expose to rolling dynamic loads, such as forklifts or scissor lifts.

.8 CLEANUP: Wash hands and tools with water promptly before material hardens. Cured material must be mechanical removed.

.3 SPORTS RUBBER TILE FLOORING

.1 JOHNSONITE INC. INERTIA rubber multi-functional and sports floor tiles, 24" x 24" (61cm x 61cm), Slidelock system, 0.375" (9.5mm) thickness, wear layer of 0.090" (2.3mm). **To be supplied by City of Winnipeg.**

.2 Rubber Wall Base (to be supplied and installed by Contractor): JOHNSONITE INC. BASEWORKS Thermoset traditional rubber wall base, 6" (153mm) height. Colour to be selected by Contract Administrator.

.3 Finishing Accessories (to be supplied and installed by Contractor): JOHNSONITE INC. Reducers as recommended by Flooring Manufacturer to meet site conditions and where dissimilar flooring materials meet.

.4 APPLICATION: Square the area to be installed and establish reference points on substrate. Lay out the tile so that a minimum of one half of a tile forms the border along the perimeter. Use the established reference points and install the flooring. Start with the first row of tiles in the upper left corner of the area with the recessed channel facing outward to receive the tab insert of the next tile to be installed. Once the tiles are properly aligned, roll the edge of the tiles with a small hand roller to lock the channel and tab together. Cut tiles net to walls and vertical objects.

.4 RUBBER STAIR TREADS

.1 JOHNSONITE INC. raised round tread with integrated riser for visually impaired (VIRH-RD). The Prima Marbelized rubber colour shall be 20 Charcoal. Supply and install Grit Tape inserts on the nosing with Yellow colour.

.2 The new visually impaired rubber stair treads shall be installed in accordance with the Flooring Manufacturer's written instructions.

.3 Remove and dispose of the existing rubber stair treads on Stair No. 3 located at the Free Weights Area and Elevator.

3.0 RECOMMENDED METHOD FOR EXISTING FLOORING REMOVAL

.1 For the complete removal of the existing Mondo sports rubber flooring, adhesives and residue on the concrete substrate floor, the mechanical scarification method is recommended. Contact the Company

Scraper's Edge Inc. at 403-512-6160 or www.scrapersedge.com for contact information. Scraper's Edge Inc. has the mechanical means or machine which has the self contained carbon monoxide emissions control systems and no vibrating blades to create unnecessary dust.

4.0 DELIVERY, STORAGE AND HANDLING

- .1 Store products and installation materials in dry spaces protected from the weather, with ambient temperatures maintained within range recommended by JOHNSONITE INC. and MAPEI.

5.0 PRIMER, UNDERLAYMENT AND FLOORING PROTECTION

- .1 Comply with Manufacturer's written instructions for cleaning and protection of rubber flooring.
- .3 Protect flooring surfaces with no traffic for 24 hours after installation. No heavy traffic, rolling loads, fitness equipment or furniture placement for 72 hours after installation.
- .3 Wait 72 hours after flooring installation before performing initial cleaning as recommended by Johnsonite Inc.
- .4 Provide final clean-up of all areas affected by the demolition work and flooring installation. Patch, prime and paint existing walls, doors and frames to match existing conditions.