

SPECIFICATIONS / SCOPE OF WORK

Upper Level Spectator Viewing Lounge (Concrete substrate surface)

- Complete removal and disposal of existing 12" x 12" vinyl composition tile, wall base and gypsum based underlayment to the hollowcore concrete below in Spectator Viewing Lounge;
- Surface preparation of existing hollowcore concrete floor substrate for application of MAPEI acrylic latex primer and cement based self-leveling underlayment materials;
- Supply and application of MAPEI Ultraprime L primer and 1/2 inch thick (minimum) application of Ultraplan 1 cement self leveling underlayment as per manufacturer's written instructions in Spectator Viewing Lounge;
- Supply and installation of new Tarkett Granit Acoustiflor (RSF-2) flooring complete with 4" high Flexco rubber wall base and transition strips abutting dissimilar materials;
- Perform initial maintenance of new flooring according to the flooring manufacturer's written instructions and guidelines.
- Cut or grind down doors to accommodate doors swings if necessary;
- Provide floor shuffleboard and floor curling painted game lines to match existing configurations, dimensions and colors.

Cement Self-leveling Underlayment and Acrylic Latex Primer

1. Surface Preparation

- 1.1 All substrates must be structurally sound, stable and solid.
- 1.2 Thoroughly clean surface of any substance that could interfere with the bond of the installation material, including dirt, paint, tar, asphalt, wax, oil, grease, latex compounds, sealers, curing compounds, form release agents, laitance, loose toppings, foreign substances and adhesive residue.
- 1.3 Concrete surfaces must be mechanically profiled and prepared by shot blasting, sandblasting, water-jetting, scarifying, diamond-grinding or other engineer-approved methods. Provide surface profile of CSP 3 as per ICRI Standards.
- 1.4 Substrate hydrostatic pressure conditions and vapor transmission must not exceed 3 lbs. per 1,000 sq. ft. (1.36 kg per 92.9m²) per 24 hours. Use calcium chloride test prior to application.
- 1.5 Ensure that retained moisture of the substrate is less than 2.5%.
- 1.6 Concrete substrate and ambient room temperatures must be at least 50 degrees F (10 degrees C) and not exceed 95 degrees F (35 degrees C) before application. Temperatures must be maintained within this range for at least 72 hours after the installation of Ultraplan 1.
- 1.7 Fill in deep areas, holes or cracks with appropriate concrete restoration materials.
- 1.8 Always prime the prepared surface with a Mapei Ultraprime L before applying Ultraplan 1.
- 1.9 Do not apply primer over standing water.
- 1.10 Allow Ultraprime L primer to dry completely to a semitransparent film, with no milky wet spots, before installing Ultraplan 1.
- 1.11 Some mechanically prepared substrates may be more porous than others. For porous concrete, double prime the surface with Ultraprime L latex primer.

2. Mixing

- 2.1.1 General mixing, barrel mixing or pump mixing as per Manufacturer's recommendations. For best results, use a Mapei Self-leveling Tool Kit.

3. Application

- 3.1 Before installation, close all doors and windows to prevent drafts. Protect areas from direct sunlight.
- 3.2 Make sure concrete substrate and ambient room temperatures are at least 50 degrees F (10 degrees C) prior to application. Temperatures must be maintained within this range for at least 72 hours after the installation of Ultraplan 1.
- 3.3 Ultraplan 1 has an approximate flow time of 15 minutes at 73 degrees F (23 degrees C) is self-leveling and can be applied from featheredge (1/4" for vehicular rubber-wheel traffic) to 1-1/2" in a single application.
- 3.4 Immediately after placing the Ultraplan 1, spread the material with a Mapei Gauge Rake. After achieving the desired depth, smooth surface with a Mapei Smoother to obtain an even surface.
- 3.5 For extended installation of 2" to 5", contact Mapei's Technical Services Department.
- 3.6 Ultraplan 1 quickly hardens within 2 to 3 hours. Floor coverings can be installed 16 to 24 hours after application.

4. Curing

- 4.1 Ultraplan 1 is self-curing; do not use a damp-curing method or curing and sealing compounds.
- 4.2 Protect Ultraplan 1 from excessive heat or draft conditions during curing. Turn off all forced ventilation and radiant heating systems, and protect installation for up to 24 hours after completion.
- 4.3 Avoid walking on installed surface for at least 2 to 3 hours after installation, depending on temperature and humidity conditions.
- 4.4 Ultraplan 1 moisture content must be less than 2.5% or not exceed 3 lbs. per 1,000 sq. ft. per 24 hours using a calcium chloride test.

5. Products

- 5.1 Ultraplan 1: is an HCT (High-Hydrated Cement Technology)-based, quick-setting, self-leveling, self-drying underlayment and repair mix for interior concrete and engineer approved floors.
- 5.2 Ultraprime L: is a concentrated, solvent free acrylic primer used prior to the installation of underlayments and topping materials.

Flooring Products

6. Product - Tarkett Granit Acoustiflor (RSF-2)

- 6.1 Tarkett Granit Acoustiflor, cushioned backed, homogeneous single layered color/pattern through thickness, 4 mm gauge thickness, 1.5 mm wear layer, 2.5 mm cushion, reinforced wear surface with polyurethane complete with 4" (100mm) high Flexco rubber wall base, 1/8" (3.2mm) thick and transition strips at locations abutting dissimilar materials. Dimensions: 6'-7" wide, 82'-6" roll length. Color to be selected by Contract Administrator.

6.2 Execution

Install Acoustiflor flooring in strict accordance with manufacturer's written instructions, over approved sub-floors or concrete substrate surfaces.

7. Product - Tarkett Granit (RSF-1)

- 7.1 Tarkett Granit, homogeneous single layered color/pattern through thickness, 2 mm gauge thickness, reinforced wear surface with polyurethane complete with 4" (100mm) high Flexco rubber wall base, 1/8" (3.2mm) thick and transition strips at locations abutting dissimilar materials. Dimensions: 6'-7" wide, 82'-6" roll length. Color to be selected by Contract Administrator.

7.2 Execution

Install sheet vinyl flooring in strict accordance with manufacturer's written instructions, over approved sub-floors or concrete substrate surfaces.

8. Product - Armstrong VCT (VCT-1)

- 8.1 Armstrong Standard Excelon Imperial Texture Vinyl Composition Tile: 12" x 12" (305mm x 305mm), 1/8" (3.2mm) thick gauge, true through pattern with color and design that is consistent from top to bottom complete with 4" (100mm) high Flexco rubber wall base, 1/8" (3.2mm) thick and transition strips at locations abutting dissimilar materials.

8.2 Execution

Install tile in strict accordance with manufacturer's written instructions, over approved subfloors, using the Vinyl Composition Tile installation System with full-spread adhesive as recommended by tile manufacturer.

LOCATION:

DAKOTA C.C./ARENA
1188 DAKOTA STREET
WINNIPEG, MANITOBA
BID OPPORTUNITY NO. 156-2007

A2

Date: FEB. 2007

Scale: NOT TO SCALE

Drawn By: L.M.C.

SPECIFICATIONS



THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT
BUILDING SERVICES DIVISION
100 MAIN STREET
WINNIPEG, MANITOBA
R3C 1A4

PHONE: (204) 986-7266
FAX: (204) 986-7311