

1.0 **GENERAL**

1.1 **Related Work and UBC Guidelines**

- .1 Section 01 74 00 Cleaning and Waste Management for final cleaning and waste management procedures.
- .2 Section 03 33 00 Architectural Concrete
- .3 Section 10 00 10 Special Room Requirements
- .4 UBC LEED Implementation Guide

1.2 **Related External Documents**

- .1 National Floor Covering Association of Canada (NFCA) - Floor Covering Reference Manual.
- .2 Hardwood Sports Floor Systems - performance criteria standards and requirements to be coordinated with UBC Athletics and associated user/sports groups.

1.3 **Description**

- .1 Work in this section includes wood flooring and related accessories, and hardwood sports floor systems.

1.4 **Coordination**

- .1 The Guidelines apply to all work completed within buildings on both UBC Vancouver and UBC Okanagan campuses unless stated otherwise.
- .2 In instances where conflicts are found between these guidelines and provincial regulations or codes, please notify the UBCV Technical Review Team Architect or UBCO Facilities Management.
- .3 These guidelines are intended to be read by design consultants and their content integrated into construction drawings and specifications. Construction documents are not to reference the technical guidelines directly.
- .4 The Coordinating Registered Professional (CRP) is required to coordinate these requirements with other disciplines.

1.5 **Submittals**

- .1 Submit required documents to consultants in accordance with Section 013300 Submittal Procedures.
- .2 Confirm with UBC PM and user group that gym floor markings are to current regulations and meet UBC's requirements.
- .3 Provide samples for colour selection only if it is a Construction Office project.
- .4 O&M Submittals
 - .1 Provide list of wood flooring types, colours and finishes, complete with manufacturer/distributor name for all products used.
 - .2 Environmental Product Declaration (EPD)
 - .3 Maintenance data for all tile selections.
 - .4 Warranties as per 1.6.3.
 - .5 Material Data and Safety Sheets (MSDS).
 - .6 Maintenance data including source for replacement.
 - .7 Material Data and Safety Sheets.

1.6 Quality Control and Assurance

- .1 Quality Assurance
 - .1 Trade to have recognized specialized experience, and have successfully completed 5 similar wood floor and/or sports floor system installations, including sanding and finishing, for 5 years preceding minimum.
- .2 Quality Control
 - .1 The manufacturer's representative shall inspect the work when required during the contract, and at completion prior to submitting the manufacturer's warranty.
- .3 Warranties
 - .1 2-year warranty for wood flooring.
 - .2 Warranty for sports flooring systems to be as provided by manufacturer.
- .4 Handover
 - .1 Contractor to conduct a walkthrough prior to handover to UBC Facilities with Facilities Custodial Services. Recommended maintenance procedures and products by manufacturer representative are to be provided in the presence of trade contractor.
 - .2 Refer to the CPG-01 located [here](#) for additional guidance on setting up demonstrations for UBC Facilities personnel.
 - .3 UBC Project Manager must contact the Facilities Custodial Operations Manager prior to occupancy to allow for general cleaning unless work will be carried out by the contractor to Facilities Custodial Services specifications.

2.0 DESIGN AND PERFORMANCE REQUIREMENTS

2.1 Design Requirements

- .1 New wood floors (other than sport flooring systems) are to be factory pre-finished, complete with acrylic impregnation of the wood cells to improve indentation and wear resistance. Finish coat to be of extra-hard mineral crystals suspended in multiple coats of ultra-violet cured urethane with stain injected throughout the wear layer, to minimize maintenance requirements.
- .2 Hardwood sports flooring systems to be specified as per user group requirements, manufacturer installation and finish requirements.

2.2 Performance Requirements

- .1 Longest life finishes to be used. Sufficient ventilation to be provided as per manufacturer's recommendation, including to prevent absorption of off-gassing by other materials.

3.0 MATERIALS

3.1 Product Selection

- .1 Finishes
 - .1 Sports Floors:
 - .1 Sealer shall be two (2) coats water-based or moisture-cured urethanes.
 - .2 Line marking paint to be compatible with sealer and top coat.
 - .3 Top coat shall be water-based or moisture-cured urethane.
- .2 Refinishing of Sports Floors – for renovation projects:
 - .1 Follow manufacturer's instructions for re-finishing of sports floors.

END OF SECTION