SECTION 09 93 20
HARDWOOD ATHLETIC FLOOR FINISHING AND MAINTENANCE
(Bona JanSan SuperCourt)

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GENERAL

1.1 SECTION INCLUDES

A. Hardwood athletic floor finishing and maintenance of the following types:
   1. Athletic floor finish.

1.2 RELATED SECTIONS

A. Section 09 64 00 - Wood Flooring.

1.3 SUBMITTALS

A. Submit under provisions of Section 01 30 00 - Administrative Requirements.

B. Product Data: Manufacturer's data sheets on each product to be used, including:
   1. Preparation instructions and recommendations.
   2. Storage and handling requirements and recommendations.
   3. Installation methods.

C. Selection Samples: For each finish product specified, two complete sets of color chips representing manufacturer's full range of available colors and patterns.

D. Verification Samples: For each finish product specified, two samples, minimum size 6 inches (150 mm) square representing actual product, color, and patterns.

1.4 QUALITY ASSURANCE

A. Installer Qualifications: Trained in application of the manufacturer's floor products.

B. Mock-Up: Provide a mock-up for evaluation of surface preparation techniques and application workmanship.
   1. Finish areas designated by Architect.
   2. Do not proceed with remaining work until workmanship, color, and sheen are approved by Architect.
   3. Refinish mock-up area as required to produce acceptable work.

1.5 DELIVERY, STORAGE, AND HANDLING

A. Store products in manufacturer's unopened packaging until ready for installation.

B. Store and dispose of solvent-based materials, and materials used with solvent-based

materials, in accordance with requirements of local authorities having jurisdiction.

1.6 PROJECT CONDITIONS

A. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's absolute limits.

PART 2 PRODUCTS

2.1 MANUFACTURERS

A. Acceptable Manufacturer: Bona US, which is located at: 24 Inverness Place E. Suite 100; Englewood, CO 80112; Toll Free Tel: 800-872-5515; Tel: 303-371-1411; Fax: 303-307-5029; Email:request info (usadmin@bona.com); Web:https://www.bona.com

B. Requests for substitutions will be considered in accordance with provisions of Section 01 60 00 - Product Requirements.

2.2 ATHLETIC FLOOR FINISH

A. Oil Modified Polyurethane Floor Finish:
   1. Product: Bona SuperCourt Poly.
      a. Ingredients: Oil-modified polyurethane resin, mineral spirits (solvent), driers.
      b. Color: Light amber.
      c. Solids: 43 percent
      d. Viscosity: (#4 Ford cup at 25 degrees C) approx. 14-16 seconds.
      e. Density: 7.3 lbs./gallon (0.9 S.G.).
      f. US Regulatory VOC: 500 g/L.
      g. Gloss Level (60 degrees): 90+.
      h. Odor: Mineral spirits.
      i. Stability: Two-year shelf life in unopened container.
      j. Flash Point: 103 degrees F (39 degrees C).
      k. Clarity: Clear when dry.
      l. Leveling: Excellent.
      m. Defoaming: Excellent.
      n. Drying Time: 8-12 hours.
      o. Percent Cured After 24 Hours: 50 percent.
      p. Maximum Cure: 2 weeks.

PART 3 EXECUTION

3.1 MANUFACTURER'S INSTRUCTIONS

A. Comply with the instructions and recommendations of the floor finish system manufacturer.

B. For new installation of floors, use only in structures with humidity and temperature controls. Do not use over channel and clip floor systems in environments not controlled for temperature and humidity.

3.2 EXAMINATION

A. Do not begin installation until substrates have been properly prepared.

B. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.

3.3 PREPARATION

A. Protection: Protect adjacent finish surface to prevent damage during sanding and sport floor system application.

3.4 APPLICATION

A. Specific application methods vary with product. Consult manufacturer and comply fully with manufacturer's application recommendations.
   1. Before using these products, read and understand all directions and the Material Safety Data Sheets (MSDS).
   2. Shake well before using.
   3. Do not thin products.
   4. Keep from freezing.

B. Finish System: As scheduled or indicated on the drawings.
   1. 4-coat system, 1 to 2 coats of a sport sealer, court lines paint (where scheduled or indicated) and 2 to 3 coats of a sport court finish.

3.5 PROTECTION

A. After application, protect floor finish from damage during subsequent work.

B. Do not allow foot traffic until floor is sufficiently dried and cured.

END OF SECTION