

SECTION 09960
FINISHING-PAINTING OF GYMNASIUM FLOORING

PART 1 - GENERAL

1.01 SUMMARY

Principal Work Items

- A. Seal, and finish gym floor. Paint game lines, lettering and graphic logos. Contractor is responsible for taking measurements of the existing game lines. This is to be a continuing project until completion. Please see additional pages for detailed scope of work.

1.02 GENERAL WORK DESCRIPTION

- A. Finishing of the Gym Flooring (15,600 sq/ft) at Crescenta Valley High School, 2900 Community Ave., La Crescenta Ca. 91214, to include, but not be limited to:
 1. Preparation to include the masking off, and installing plastic protection to all adjacent surfaces and areas.
 2. Cleaning, sanding, and sealing of the gym floor and using accepted NOFMA, NWFA, or MFMA procedures.
 3. Pre-measurement/verification of Layout and painting of game court lines, lettering, and any existing graphic logos.
 4. Replacing of defective floor plates, as determined and specified in Pre-Bid jobwalk.

1.03 CONTRACTOR QUALIFICATIONS:

- A. Contractor shall submit information that their company and workers are qualified and experienced in order to perform the scope of the work of this project, which shall include:
 1. List of a minimum of 5 similar sized projects performed in the last 3 years, including the name of the project, approximate square footage of project, and a current contact name and current contact telephone number of the reference.
 2. Name and qualifications of the supervisor (minimum of 5 years' experience in gym floor refinishing) of the crew to perform this project.

1.04 QUALITY ASSURANCE

- A. Certification of Materials: With every delivery of paint or refinishing materials, the manufacturer shall certify on the manufacturer's letterhead that materials comply with the requirements of this section.
- B. Paint and refinishing materials shall comply with the Food and Drug Administration's (F.D.A.) Lead Law and "Prop 65" current rules and regulations of local, state and federal agencies governing the use of paint and refinishing materials.
- C. Coats: The number of coats specified is the minimum number acceptable. If full coverage is not obtained with the specified number of coats, apply such additional coats as are necessary to produce the required finish, of an even and uniform surface.

- D. Employ coats and/or undercoats for all types of finishes in strict accordance with the recommendations of the paint and finish manufacturer and approved by the District.

1.05 SUBSTITUTIONS

- A. List of Materials: Submit a complete list of specified paint and finishing materials, identifying each material by manufacturer's name, product name and number. Identify surfaces to receive various paint and finishing materials. Do not deviate from this list.

1.06 SUBMITTALS

- A. List of Materials: Prior to submittal of samples, submit a complete list of specified paint and finishing materials, identifying each material by manufacturer's name, product name and number, including primers, thinners, and coloring agents, together with manufacturers' catalog data fully describing each material as to contents, recommended usage, and preparation and application methods. Identify surfaces to receive various paint and finishing materials. Do not deviate from specified product.
- B. Submit manufacturer's standard color samples for each type of paint used. Once colors have been selected, submit 1 sample of each color selected.
- C. An MSDS sheet shall be included with each individual submittal.

1.07 DELIVERY, STORAGE AND HANDLING

- A. Materials shall be delivered to the project site in original unbroken containers bearing manufacturer's name, brand number and batch number corresponding to the description on list of materials as approved.
- B. Open and mix ingredients on the premises in the presence of the District Inspector. Immediately remove rejected materials from the premises.
- C. Storage and Mixing of Materials: Store materials and mix only in spaces designated for the purpose by the District Inspector. Keep such spaces clean and take necessary precautions to prevent fire. Hang out oily rags flat and singly in the open air, outside of the enclosed spaces. Stack paint containers so that manufacturer's labels are clearly displayed. All empty paint and finish containers, used plastic, tape, sanding, mop and tack materials, shall be taken off the premises by the contractor and disposed properly after use.

1.08 ENVIRONMENTAL CONDITIONS

- A. Temperature: Do not apply paint or finish in damp, rainy or foggy weather or until the surface has thoroughly dried from the effects of such weather. Do not apply paint or finishes interior or exterior, when the temperature is below 50 or above 90 degrees F., or dust conditions are unfavorable to proper workmanship.

1.09 GUARANTEE

- A. Materials and workmanship guarantee of one (1) year on the finish and paint.

PART 2 - PRODUCTS

2.01 PAINT/FINISHING MATERIALS

- A. Use the paint products of one Paint/Finish manufacturer unless otherwise specified or approved. All primers, intermediate and finish coats in each painting/refinishing system must all be the products of the same manufacturer, including thinners and coloring agents, or otherwise compatible to all other paints/finishes, except for materials furnished with shop prime coat by other trades. To the maximum extent feasible, factory mix paint materials to correct color, gloss, and consistency for application. All seal, finish, and paint shall be used from the new container as produced by the manufacturer. No thinners or other chemicals are to be used to cut the product unless recommended by the manufacturer or their representative.
- B. Products are specified herein except as otherwise noted, to establish types and qualities.
 - 1. Paint Products to be compatible with Sport Kote PC Gym Finish.
 - 2. Finish by Essentials - - Sport Kote PC Gym Finish.

PART 3 - EXECUTION

3.01 PREPARATION

- A. Inspect surfaces to receive paint/finish for surface blemishes in a mandatory pre-project walk with the District Inspector/Representative. Surfaces that are not properly prepared or sandpapered or cleaned or which are not in condition to receive the specified finishes shall be corrected, before work is performed. Contact District Inspector/Representative to consult on any repairs before repair methods are undertaken - - No repairs shall be done until District Inspector/Representative approves the surfaces beforehand.
- B. Protect all adjacent surfaces and areas dust and or debris, paint/finish smears, spatters, and accidental droppings. Cover and mask bleachers, fixtures and remove hardware not to be painted or finished. Mask all other areas where necessary and as determined in pre-bid walk. Any accidental spills, over-painting or spatters shall be cleaned up immediately before additional work proceeds before and after each process.

Hardware: Insure that hardware is removed before painting/refinishing is started and replaced only when paint/finishes are thoroughly dry.
- C. Always maintain adequate ventilation during all phases of the preparation and coating processes.

3.02 APPLICATION

- A. General: Employ experienced workers supervised by a foreman with a minimum of 5 years' experience in gym floor refinishing projects, thoroughly familiar with code requirements, the best recommendations of the painting and finishing materials manufacturer. Utilize the following methods and procedures:
- B. The Contractor, with the District Inspector/Representative shall inspect the floors before application of seal and between each coat of seal, paint, or finish. Contractor to call Jason Miller (818)968-593 mobile or John Stephens (818)370-2849 mobile and request inspection during regular working hours, 7 a.m. to 5 p.m., and no less than a minimum of four (4) hours before each procedure and application. The Contractor shall correct all defects in workmanship or application to the satisfaction of the District Inspector/Representative before succeeding steps are taken.

- C. Flooring shall be thoroughly sanded by first removing all layers of finish and game lines to a smooth and level surface, with coarse, then medium grit paper in the direction of the grain. Floor shall be thoroughly cleaned and inspection called for with District Representative to review any conditions that may warrant repair or replacement. Wood fill where necessary and applicable using the sanding residue mixed with the appropriate bonding agent. Sand filler smooth to floor level.
- D. Flooring shall then be lightly sanded with a fine grit of 100-120 to remove minor dents and scratches, and in a manner that does not leave swirl marks on the wood floor.
- E. After final sanding and preparation is completed and approved on site by the District Representative, the floor shall be sealed as soon as possible. Thoroughly clean the floor surface prior to applying the first coat of sealer - - flooring shall be dust free and tacked according to the seal and finish manufacturers recommendations.
- F. Using a clean, lambswool applicator or approved applicator, apply a liberal and uniform two (2) penetrating sealer with the minimum coverage per the manufacturers' instructions.
- G. Do not apply painting or finishing materials to wet, damp, dusty, dirty, rough, unfinished, or defective surfaces. Apply material evenly, free from sags, runs, crawls, holidays or defects, or discolored areas.
- H. Contractor shall be responsible for taking pre-project measurements of the existing game lines, and shall be responsible for laying out the Game/Court Lines (which shall conform to the National Federation of State High School Associations specifications at a minimum). Call for inspection by the District Inspector/Representative after layout, and before the painting of the lines.
- I. Mask and paint game/court lines the proper colors, and with the aid of precision taping machines or striping tools. Game/Court lines and line edges shall be straight and width shall be a minimum of 2" and uniform in application, and no less than one (1) mil in thickness. When using masking tape, pull it up as soon as the paint begins to dry or set. Allow game/court lines to thoroughly dry, a minimum of 12 hours.
- J. Immediately before applying the first coat of finish, properly abrade and thoroughly tack-rag the floor, paying particular attention to the edges and corners. Apply an even coat (1) of the specified gym floor finish with a lambswool applicator or approved applicator in accordance with the manufacturers' instructions. Allow to dry thoroughly overnight, or a minimum of 12 hours.

NOTE: During finishing and drying time, the floor surface must be free of dust and dirt. Avoid air currents that carry dust and dirt. Indoor temperatures and all sealers, paints, and finishes should be approximately 65 degrees Fahrenheit or higher, but not higher than 90 degrees Fahrenheit during application. Maintain normal humidity conditions inside the facility to avoid blistering, flaking and abnormally long drying and cure times.
- K. Immediately before applying the second & third coat of finish, abrade and thoroughly tack-rag the floor. Allow to dry thoroughly overnight, or a minimum of 24 hours before any foot traffic is allowed on the floor surface.
- L. The number of paint/refinish coats specified to be applied are the minimum required. (2) seal & (3) finish coats. CALL the District Inspector/Representative before each coat of sealer, paint, or finish materials. If an inspection step is missed, you will be required to apply an additional coat over entire surface involved at no additional contract cost.

3.03 CLEANING

- A. Remove rubbish, waste and surplus material and clean adjacent floors, doors, hardware, and other adjacent work.
- B. Replace all floor plates, and other hardware that was removed in the process.
- C. Clean hardware and other unpainted metal surfaces with approved cleaner. Do not use abrasives or edged tools.

END OF SECTION