

GUIDE SPECIFICATIONS FOR A FOUR LAYER (3/8") BLACK LATEX RUNNING TRACK

PART 1 – Scope of work

1.01 Work Included

This work includes furnishing and installing a synthetic all-weather running track surface.

1.02 Description of System and General Conditions

This specification is for a mixture of uniform graded rubber granules bound with fortified latex binders. The rubber granules are to be control gradation containing minimum dust (less than 4% on a No. 30 sieve). All layers shall consist of EPDM rubber. No SBR rubber will be allowed within the scope of this product. The latex binders shall be approved by the owner or architect. The mixture is applied to a base in layers by methods as approved by the owner or architect. The result will be a durable, resilient, pervious, all weather surface.

The latex track surface is designed for use as a durable, resilient surface which may be placed over asphalt running tracks and all field events. It may also be used to resurface an existing all weather tracks, including rubberized asphalt providing the existing surface has good structural integrity and planarity.

1.03 Contractors Pre-Qualification Requirements

- a) Contractor must have experience with similar projects, and must provide owner with list of jobs completed within the last 5 years.
- b) Contractor must supply owner with sample of proposed product for prior approval.
- c) Contractor must be a member in good standing with the “American Sports Builders Association” (United States Tennis Court and Track Builders Association). This is to ensure that the contractor has met the requirements set forth to be able to perform this specialty work.
- d) Contractor should be licensed in the state of which the work is to be performed and entitled to practice the following classifications: Tennis courts and running track facilities.

1.04 Contractors Responsibility

- a) Furnishing all labor, materials, equipment and taxes to fully execute job.
- b) Furnish and maintain temporary flagging and barricades as required to protect employees and public at all times.
- c) Daily clean-up of trash and debris
- d) Contractor must carry proper insurance. (A 30 day cancellation notification shall apply to all Policies).

1.05 Insurance Requirements

- a) **Commercial General Liability**
 - General Aggregate \$2,000,000
 - Personal Injury \$1,000,000 per occurrence
 - Each occurrence \$1,000,000
- b) **Commercial Business Automobile Liability**
 - Combined Single Limit of \$1,000,000 per occurrence
- c) **Workers’ Compensation**
 - Bodily Injury by Accident \$1,000,000 per accident
 - Bodily Injury by Disease \$1,000,000 per accident

1.06 **Quality Assurance**

- a) Upon request from owner, Contractor shall supply owner with a list of similar projects and its contacts that have been successfully completed within the last three years. (Pictures may be required)
- b) Contractor shall provide owner with a reference letter of good standing from the material manufacturer.

All bidders must also submit Material Safety Data Sheets (MSDS) and Product Data Sheets on all materials.

1.07 **Warranty**

Track surface shall be warranted for labor and materials for a period of no less than two (2) years.

1.08 **Approved Manufacturer/Installer**

Quality Court Industries, L.L.C.
5661 Brownsfield Dr.
Baton Rouge, LA 70811
225-774-9974 – Phone
225-774-9984 – fax
www.qualitycourts.com

PART 2-PRODUCTS AND MATERIALS

2.01 **Materials**

Latex primer – All latex primer shall be Premium Latex 219 (Styrene-butadiene copolymer latex) and shall be approved for running track applications.

Latex binder –All latex binder shall be Premium Latex 240 (Styrene-butadiene copolymer latex) and shall be approved for running track applications.

EPDM rubber – All rubber granules shall be EPDM and shall have a minimum EPDM content of 25% by weight. The rubber granules shall be control gradation containing minimum dust.

PART 3- INSTALLATION PROCEDURE

3.01 **Base Requirements**

The layout, structural integrity, drainage and planarity are to be checked by owner or architect prior to the commencement of the surfacing work. For general specification for the construction of a track, refer to the American Sports Builders Association (United States Tennis Court and Track Builders Association).

Before application of the surface course, the asphalt base should be tested for planarity using a 10' straight edge. There shall be no deviation from the specified grade in either the stone or the asphalt in excess of 1/4" in a 10' area. The slope is to be 1% (a maximum of 2% is allowed for High School standards). Asphalt base shall be allowed to cure a minimum of fourteen (14) days prior to commencement of surfacing.

3.02 **Preparation**

Scheduling – The track shall be installed after the subsurface has been properly prepped and cured. The temperature should be 40 degrees and rising during installation of surface.

Cleaning – The entire subsurface shall be clean, dry and free from any foreign and loose material.

Priming – All asphalt that is to be surfaced shall be primed.

3.03

Installation

- a) After the asphalt base has cured for a minimum of 14 days (concrete base shall cure a minimum of 30 days), or as required by the owner, a prime coat consisting of Premium Latex Track Binder (mixed 1 part water to 1 part binder) shall be applied at a minimum rate of 0.10 gallons per square yard. All latex application shall be applied by method of pump and compressor spray machines capable of spraying 0.5- 1.5 millimeter granular rubber for the purpose of providing even distribution.

NOTE: Under no condition shall asphalt emulsions be used as a prime coat (or in any other part of this system) due to thermal sensitivity of asphalt emulsion. Also, all binder application rates described in this specification are in undiluted form. All latex binders shall contain at least a minimum of 47% resin solids. During application, the latex binder shall be mixed at no greater than 1:1 ratio (water to latex binder) to aid migration through the surface.

- b) The first layer shall consist of 3-6 mm black EPDM rubber granules at a rate of approximately 2.5 pounds per square yard, followed by a Premium Fortified Latex Track Binder spray at a rate of approximately 0.60 - 0.75 gallons per square yard. (Fortified latex binder shall be mixed 2 parts binder to 1 part water.) Latex binder shall be spray applied and shall fully encapsulate each rubber granule. This layer shall dry and cure for a minimum of 12 hours.
- c) The second layer shall consist of 3-6 mm black EPDM rubber granules at a rate of approximately 2.5 pounds per square yard, followed by a Premium Fortified Latex Track Binder spray at a rate of approximately 0.60 -0.75 gallons per square yard. (Fortified latex binder shall be mixed 2 parts binder to 1 part water.) Latex binder shall be spray applied and shall fully encapsulate each rubber granule. This layer shall dry and cure for a minimum of 12 hours.
- d) The third layer shall consist of 1-3 mm black EPDM rubber granules at a rate of approximately 2.5 pounds per square yard, followed by a Premium Fortified Latex Track Binder spray at a rate of approximately 0.60 -0.75 gallons per square yard. (Fortified Latex Binder shall be mixed 2 parts binder to 1 part water.) Latex binder shall be spray applied and shall fully encapsulate each rubber granule. A black track pigment shall be mixed in with the latex binder which shall have the proper amount of pigment, ultra-violet screens, and wetting agents. This layer shall dry and cure for a minimum of 12 hours.
- e) The fourth layer shall consist of 1-3 mm black EPDM rubber granules at a rate of approximately 2.5 pounds per square yard, followed by a Premium Fortified Latex Track Binder spray at a rate of approximately 0.60 -0.75 gallons per square yard. . (Fortified latex binder shall be mixed 2 parts binder to 1 part water.) Latex binder shall be spray applied and shall fully encapsulate each rubber granule. A black track pigment shall be mixed in with the latex binder which shall have the proper amount of pigment, ultra-violet screens, and wetting agents. This layer shall dry and cure for a minimum of 12 hours.

- f) A final spray layer shall be applied to the entire track and all field events for the purpose of providing a resilient wear coat. Wear coat consisting of a Premium Latex Track Binder (mixed 2 parts binder to 1 part latex) shall be applied at a minimum rate of 0.50 – 0.60 gallons per square yard. A black track pigment shall be mixed in with the latex binder which shall have the proper amount of pigment, ultra-violet screens, and wetting agents.

3.04 **Protection**

Surface installation crew shall be responsible for the protection of the track surface only during the application process of the materials. Owner or General Contractor shall be responsible for the protection of the track surface during the curing period, and upon completion of the installation.

PART 4- PHYSICAL PROPERTIES OF FINISHED SURFACE

4.01 **Physical Properties**

Thickness – 3/8 inch Nominal

Color – Black

Rubber level – 9.0 – 10.0 lbs per sq. yd.

PART 5- MEASUREMENTS AND EVENT MARKINGS

5.01 **Event markings**

The measurements and markings of lines and events shall be performed in accordance with the requirements of the appropriate governing body (NFSHSA, HCAA, IAFF). The paint used shall be a latex paint as accepted by owner or architect.

**FOR SPECIFIC PROJECT SPECIFICATIONS, OR OTHER SPORTS APPLICATIONS,
OTHER COLORS OR FOR FURTHER INFORMATION, PLEASE CONTACT:
QUALITY COURT IND. AT: 5661 BROWNSFIELD DR. BATON ROUGE LA 70811
(225) 774-9974 - OR ON THE WEB AT:
www.qualitycourts.com**