



EVERGUARD SURFACING
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Polyurethane Supercourt Tennis System

Description

A resilient, water permeable, full depth color, synthetic rubber Supercourt surface comprised of polyurethane binder and colored EPDM rubber granules installed over a suitable asphalt or concrete base to a compacted thickness of one-half (1/2) inch.

Materials

Rubber Granules- The rubber granules for the Supercourt surfacing system shall be EPDM rubber, processed and chopped to 1-3 mm. Size, containing less than 4% dust. The EPDM granules shall be peroxide cured, man made rubber containing a minimum 20% EPDM and having a density of 1.5 ± 0.5 . The rubber shall be packed in suitable bags to protect the rubber from moisture during transportation and handling.

2. EPDM color rubber – The colored rubber granules for the top layer shall be EPDM peroxide cured, man made rubber containing a minimum 20% EPDM and having a density of $1.50 +$ or $(- 0.05)$ and chopped to 1-3 mm. size. The EPDM rubber granules shall be protected from moisture as described above.

3. Prime Coat- Primer shall be one-component MDI based polyurethane specifically formulated for asphalt/concrete.

4. Binder shall be a 100% MDI based one-component, polyurethane binding agent and must be clear in color, not milky, and solvent free. The binding agent must be specifically formulated for mixing with EPDM rubber granules. The specific gravity of the binder shall be 1.07 ± 0.03 .

5. Line Paint- Paint for the lane lines shall be a two component pure polyurethane paint compatible with the Supercourt surfacing system. Acrylic-based paints will not be permitted.

Mixture Composition

EPDM rubber granules	80% by weight
Polyurethane Binding Agent	20% by weight
Application Temperature	Min. 35° F

Installation

The following procedures shall be followed to ensure a quality installation of the playground safety surface.



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Base

Everguard Safety Surface system can be installed over concrete or asphalt. New concrete bases shall be allowed to cure a minimum 3 days and new asphalt bases shall be allowed to cure a minimum 14 days prior to installation of the Supercourt surface.

Primer

Apply polyurethane primer over the entire area to be surfaced at a rate of 0.28 pounds per square yard using an airless spray machine. Allow 20-30 minutes for the solvent in the primer to evaporate before starting installation.

EPDM Color Wearing Layer

The colored EPDM rubber granules and polyurethane binder are blended together in a suitable mechanical mixer for a period of 2-3 minutes to insure proper coating of all rubber granules with the binder. The blended materials are then spread onto the asphalt base by means of a mechanical tandem leveler. The tandem leveler shall have a heated oscillating screed bar to obtain both smoothness and compaction. The heated screed bar operates at a temperature of 158-176° F.

The laying procedure shall be bay to bay and limiting the length of the passes so as not to have any cold (cured) joints between the bays. At the beginning of each day the traverse joint from the previous day shall be tack coated with binder to insure a good bond. Supercourt surface system shall be installed at a compacted thickness of one-half (1/2) inch (13mm).

NOTE* When this system is used for tennis courts then we recommend that the thickness be increased to 15-18 mm for greater comfort and maximum exercise effectiveness.

Painted Lines

Painted lane lines shall be performed in conformance with the governing regulations and shall include all lines and graphics required or as directed by the owner. Two-component line paint in the desired colors shall be applied by means of an approved line-stripping machine capable of producing neat lines with sharp edges.

Cleanup

On completion of the surface, remove all excess materials, and properly dispose of all empty containers and construction debris.

End of Section

NOTICE: These specifications are merely guides for use by Landscape Architects, engineers, contractors. It is hoped that these specifications will be of particular value to those who do not have detail knowledge of synthetic safety flooring and that it will aid in maintaining high construction standards. EVERGUARD, its agents and employees do not warrant the specifications as proper under all conditions.