



## MANUFACTURER'S SPECIFICATIONS

### **PART 1 – GENERAL**

#### **1.01 SCOPE**

Provide all materials, labor and equipment necessary to install the DuraDeck Surfacing System, a poured in place safety surface designed for walkways, running tracks and water play areas.

#### **1.02 COMPOSITION:**

DuraDeck Surfacing System consists of the following:

- A. Colored rubber made of ethylene propylene diene monomer (EPDM) mixed with polyurethane.

#### **1.03 MATERIALS:**

- A. DuraPlay Primer: A single-component moisture cured polyurethane primer.
- B. DuraPlay Binder: An elastic polyurethane pre-polymer, MDI based, low odor, capable of excellent weathering and binding characteristics. Binder shall contain no TDI Monomers.
- C. Duraplay EPDM Rubber: A manufactured rubber having a density of 1 to 3mm.
  - 1. Available in red, beige, eggshell, yellow, grey, blue, green, black, purple, brown, orange, teal.
  - 2. Available in any mixture of above colors.
  - 3. Thickness is nominal 1/2" or 2.2 lbs per square foot.

#### **1.04 QUALITY ASSURANCE:**

- A. Qualifications
  - 1. The Applicator/ Installer shall be trained and approved by Duraplay, Inc.
  - 2. All components of the DuraDeck Surfacing System shall be obtained from Duraplay or its authorized distributors. No substitutions or additions of other materials shall be submitted without prior written permission from Duraplay, Inc.
  - 3. Acceptable substrates for the DuraDeck Surfacing System include asphalt and concrete.
  - 4. Other substrates must be approved by Duraplay, Inc. in writing, prior to application.
  - 5. Systems to be considered equal to those specified herein shall be approved by the Architect, in writing, at least ten working days prior to the project bid date.
- B. Delivery, Storage and Handling:
  - 1. Deliver all materials in original unopened packages with labels intact.
  - 2. Store all materials protected from weather at temperatures not less than 20 degrees and no hotter than 110 degrees Fahrenheit.
- C. Job Conditions:
  - 1. Ambient air temperature shall be 30 degrees or greater and no hotter than 102 degrees Fahrenheit at time of installation of the Duraplay Surfacing System.
  - 2. The Duraplay Surfacing System shall be protected during installation while curing against foot traffic and any other damage.

### **PART II – PRODUCTS**

#### **2.01 TECHNICAL INFORMATION**

**A. Applicable Standards**

1. Non-slip characteristics under ASTM-E-303
2. Flammability under 8S -5696 and ASTM-D-2859
3. Tensile strength (ASTM D412) - 60 psi
4. Tear resistance (ASTM D624) – 140%

**B. Chemical Properties**

79% EPDM (color) or SBR (black) Rubber Granules, 21% Polyurethane Binder

**2.02 INSTALLATION:**

A. Inspection: Prior to application of DuraDeck Surfacing System, the substrates shall be examined for compliance with the contract document of Duraplay specifications. The general contractor and architect shall be advised of all discrepancies. Work shall not proceed until unsatisfactory conditions are corrected.

**B. Duraplay Primer:**

1. Apply primer by spray or short nap roller at the rate of 300 square feet per gallon. Do not over saturate substrate. Prime area 1 1/2 - 2 feet around perimeter and any adjacent vertical barriers such as playground equipment support legs, curbs or edging that will contact the surfacing system. NOTE: Do not use Duraplay primer over compacted stone.

**C. DuraDeck Wearing Course:**

1. Apply mixed binder/granule at desired thickness using a screed bar.
2. Using a steel pool trowel even rubber/granule mixture. Be sure to continuously lubricate trowel with kerosene, diesel fuel or soapy water.
3. As the mixture is leveled apply a downward pressure onto the surface so that the mixture compacts tightly.
4. Check surface to be level.
5. Allow to cure for a minimum of 48 hours prior to usage. At the end of the minimum curing period, verify that the top surface is sufficiently dry and firm to allow foot traffic and use without damage to the surface. Do not allow foot traffic or use of the surface until it is sufficiently cured.

D. Edge Detail: See DuraPlay.com for downloadable pdf.

**2.03 WARRANTY:**

Our standard warranty period is 5 years from the date of completion for all 100% color work. Jobs for water environments/applications receive a 2-year warranty.

**2.04 PROTECTION:**

It is the responsibility of the customer to provide security to protect the drying surface from footprints and vandalism.

**2.05 CLEANING AND MAINTENANCE:**

DuraPlay Surfaces, like any flooring material, require periodic cleaning. The frequency of cleaning depends on the intensity and type of traffic on the surface. DuraPlay Surfaces are self-sufficient; therefore, excessive cleaning is needed only when outside contaminants are introduced. In some cases, dissolved salts in water ("hard water") or the environment can cause a whitish film to develop on the DuraDeck Surface. If this occurs, immediate cleaning is necessary to enhance the original colors of the surface.

**2.06 The Cleaning Process:**

For "whitish" film or mildew deposits, we recommend using Soft Scrub with Bleach to clean the surface. Initially dilute the Soft Scrub at a proportion of 1 part cleanser to 2 parts water and mix well. Scrub the surface with a stiff-bristled scrub brush. Rinse well with water. If the stains persist, repeat the process above with a 1 to 1 cleanser/ water ratio. For excessive residue, use the cleanser without diluting. Another method of cleaning is

pressure washing with a light spray nozzle (caution – heavy spray nozzles may damage surface).

**WARNING:**

High surface temperatures may occur due to absorption of solar energy. To assure child safety and comfort, shade structures are recommended over all poured in place surfacing. All individuals must wear adequate foot protection at all times while on poured in place surfaces.

If any questions arise, please do not hesitate to contact DuraPlay, Inc. for technical assistance.

**DuraDeck**<sup>TM</sup>  
— MULTI-PURPOSE SURFACE —