

Copeland **Action-PLAY™**

"Where Children's Safety Comes First"



Copeland Coating Company, Inc. has developed new and innovative solutions for the emerging playground surfacing market.

All material and installation methods are in strict accordance with the Consumer Product Safety Commission (CPSC), Americans with Disabilities Act (ADA) & The American Standard Testing Material (ASTM) requirements.

As this new market continues to emerge, experience and integrity of the installation contractor should be a major factor in your decision making process.

Copeland Coating Company, Inc. has been in the sports surfacing industry since 1945. We have been installing poured in place polyurethane surfaces since 1981 and have hundreds of installations throughout the Northeastern United States.

*Years of experience in the poured in place polyurethane business has enabled us to develop **ACTION-PLAY™** playground safety surfacing; a unique poured in place system with no seams and consistent shock absorbency.*

Thickness can vary from 1.5" to 5.0" and be applied in one or two lifts (to meet equipment fall heights up to 12') and be customized to your specific color choices.

ACTION-PLAY™ delivers unlimited design potential, safety and durability to any play environment.

- Available for every base- **Asphalt, Concrete, Stone & Sand**
- Personal preference allows for endless color combinations.
- Tailored for specific equipment heights.
- Entirely porous play surface for optimum drainage & safety.
- Virtually maintenance free and vandal resistant.
- A system for every budget.

ACTION-PLAY™ playground safety surfacing provides dependable, permanent protection for all play areas. This unique poured in place system will cushion falls for years to come. Unlike sand, gravel or wood chips, **ACTION-PLAY™** won't blow away, turn into projectiles, or become matted at slide exits, under swings, ropes & ladders.

When Children's Safety Comes First...

ACTION-PLAY™
Is the Right Choice!

Copeland **Action-Play™**

TECHNICAL DATA

1. Purpose:

The intent of this specification is to provide a guideline for the installation of a poured in place polyurethane play ground safety surfacing system.

2. Scope:

The work covered by this specification consists of furnishing all labor, equipment, materials and performance of all operations in connection with the installation of **ACTION-PLAY™** to the specified surface areas.

3. Materials:

- **ACTION-PLAY™** 100% polyurethane binder base mat binding agent.
- **ACTION-PLAY™** shredded rubber for base (Cushion shock pad)(black).
- **ACTION-PLAY™** polyurethane pigmented top course) rubber granulate 1.0 mm to 3.0 mm or 1.0 mm to 4.0 mm. (Black or colored)
- **ACTION-PLAY™** Polyurethane line marking paint.

4. Surface Preparation:

After sub-base installation of asphalt, concrete, stone or sand has been properly compacted, (asphalt cured 15 days and concrete cured 25 days) and all sub-base surfaces brought to proper contour and elevation in strict accordance with drawings and/or specifications, surface is ready for **ACTION-PLAY™** poured in place system.

5. Planarity and Slope:

Before application of the base (cushion shock pad), the asphalt, concrete, stone or sand sub-base shall be tested for planarity using a 10' straight edge. All leveling work should be performed so that the finished surface slope is a minimum of 1% to allow for proper drainage. If indoors, surface can be flat.

6. Procedure/Installation **ACTION-PLAY™** SURFACE

(A). Base (cushion shock pad): Mix the black buffings with polyurethane binder in a non-porous container



at the perscribed rubber to binder ratios, which will assure complete binder coverage of each rubber particle. Screed and trowel mixture on sub-base to a uniform thickness compacting material to assure adhesion and proper bonding. After prescribed thickness is achieved, allow base (cushion shock pad) to cure. Depending on humidity (12-24 hours).

(B). Top (wearing course layer): Mix the colored (per specifications) EDPM 1 mm to 3 mm or 1 mm to 4 mm rubber particles with the liquid binder in a non-porous container at the prescribed rubber to binder ratio which will assure

complete binder coverage of each rubber particle. Screed and trowel mixture on base (cushion shock pad) to a uniform thickness compacting material to assure adhesion and proper bonding. After prescribed thickness is achieved and proper planarity has been assured, allow top (wearing course layer) to cure (12-24 hours).

(C). Erect barricades/fencing as required to prevent pedestrian traffic on finished surface for a period of 12-24 hours.

7. Striping/Play Markings:

Utilizing **ACTION-PLAY™** polyurethane paints, apply all play markings per specifications. Allowing paint 4-8 hours to cure.

8. Minimum Physical Properties of Surface:

ASTM F 1292-95 and F-355-95, Procedure C.

ACTION-PLAY™ SPECIFICATIONS

Polyurethane Binder to Rubber Ratio for Base (Cushion Shock Pad)... 14-16%

Polyurethane Binder to Rubber Ratio for Top (Wearing Course Layer)...20-22%

Base (Cushion Shock Pad) Thickness (Pad thickness to be determined by playground equipment height)... 1.5" to 5.00"

Top (wearing Course Layer) Thickness (EDPM Colored Granules)...3/8"-1/2"

Polyurethane Binder - MDI (No TDI)... 100% Solids

COPELAND COATING CO. INC.

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"THE PAVEMENT MAINTENANCE PEOPLE...SINCE 1945"