

PerkEpave Walk, Run, Tree Pit – 11 Mix

DEFINITION

- A. PerkEpave Walk, Run, Tree Pit – 11 Mix combines recycled passenger car tires, a kiln dried stone aggregate and an MDI single part aromatic urethane binder, providing an extremely permeable, flexible walking surface that will not crack through freeze thaw and is a solution to tree root damaged sidewalks.

PRODUCT TESTING:

- A. Flammability (ASTM D2859): Pass.
- B. Tensile Strength (ASTM D412): 3,000+ psi (413 kPa).
- C. Elongation (ASTM D412): 250+%
- D. Water Permeability (ASTM C1701): 1,150+ in/hr
- E. SLIP Resistance (ADA) ASTM D2047: .73

PRODUCT COMPONENTS

- A. Surface Rubber: Recycled passenger tires ground to 1/4" nominal with wire remnants removed. Held together with a binding agent.
- B. Stone Aggregate: Triple washed, kiln dried 1/4" nominal stone aggregate.
- C. Binding agent: urethane liquid prepolymer based upon Diphenylmethane Diisocyanate.
- D. Mix Design: 1-50# bag of stone aggregate + 1-50# bag of recycled tire crumb + 5 quarts of binder = 16 sq ft @ 1.5" (12 sq ft @ 2")

INSTALLER QUALIFICATIONS

- A. Installer shall be required to be familiar with installation procedures and to have attended the Manufacturer installation training program.
- B. Installers shall employ no less than two Manufacturer-Trained technicians on staff who directly oversee and perform the installations during all Play Safe placement.

PROJECT CONDITIONS

- A. Protect stored rubber from moisture by covering it with sheet plastic if stored outdoors.
- B. Binder to be stored within a temperature range of 45 to 80 degrees F.
- C. Avoid placing Play Safe if rain, snow, or frost.
- D. Base aggregate shall be a clean #57 stone.

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EXECUTION

- A. Prepare subgrade as specified in the contract documents or as directed by the engineer.
- B. Place Clean #57 Coarse Aggregate and compact to a recommended thickness of 3” or as directed by the engineer.
- B. Mix, place, and finish Surface Rubber to a thickness of 1.5” or as directed by the engineer.
- C. Apply liquid urethane bonding agent to face of surfaces when adhesion is desired

CURING

- A. perkEpave is moisture cured by the humidity in the air with an average time of 24 hours. perkEpave may be put into service after 48 hours when installed within the temperature range of 45-90 degrees F.

HOT- AND COLD-WEATHER CONSTRUCTION

- A. When hot weather is anticipated up to 90 degrees Fahrenheit, no special procedures are necessary.
- B. Installation may proceed when temperatures during the installation period are above 35 degrees F and reach temperatures above 45 degrees F. Uncured installations shall not be permitted to fall below freezing.