Architects Product Specifications for…

RTP ANTI FATIGUE EXERCISE SURFACES

* RUBBERIZED WALKING TRAILS
* ATTENUATED EXERCISE PATHS
* JOGGING SURFACES

DESIGN CRITERIA:

a.) The Surface System shall have been marketed in the United States for at least ten (**10**) years.

b.) The installation of the Surfacing specified herein and indicated on the Drawings shall be performed by an organization who can furnish supporting evidence of rubber poured in place installation experience and who has regularly been engaged in this type of work on a full time basis for a period of not less than **10** years.

c.) The installation of the Surfacing shall be performed by Poured in Place applicators who upon request shall furnish evidence of approval by RTP.

d.) The installation of the Surface shall be overseen and finished job approved by a factory trained authorized RTP rubberized trail. representative.

SUBMITTALS:

a.) Samples:

1.) Submit Samples of the following for approval by the Engineer.

a.) 12 inch x 12 inch samples of the safety surface in thickness of 1″

MATERIAL TESTING: To include…

a.) **Shock Absorbency:** When tested in accordance with ASTM F-1292, Test Method F355, Procedure C (Metal Head form), the surface shall not impart to the head form upon impact, a peak deceleration exceeding 200 times the acceleration due to Gravity (200 G's). Drop height used in this test shall be at 4'. Successful attenuated testing passes must be documented a poured in place material depth of 1 ½".

b.) **Slip Resistance**: Wet dynamic reading shall not be less than 40 when tested in accordance with ASTM E 303, using British Portable Skid Resistance Tester.

c.) **Flammability:** Minimum Critical radiant flux of 0.22 Watts/CM2 when tested in accordance with ASTM E 648.

d.) Particulate Rubber Particles must successfully pass ASTM standard CFR 1630 for flammability of carpet and rugs.

SITE CONDITIONS:
JOB CONDITIONS…

a.) Maintain manufacturer's current installation instructions at the job site at all times for surface material to be used on the Project.
b.) Proceed with work of this section only after substrate construction and penetrating work has been compacted to 90+% of dry density.
c.) Do not proceed with work during inclement weather. Comply with manufacturer's recommendations for application and curing under specific climatic conditions.
e.) Conditions of substrates with respect to structural performance shall be evaluated and approved by the applicator prior to applying the surfacing.
f.) At the time of application ambient air temperature shall be 40 Degrees Fahrenheit or greater and remain so for at least 7 days after installation is complete.
g.) Adjacent Material and the Surfacing shall be protected by the customer during the installation process, while curing and while unattended from weather and other site related damaging.

SITE PREPARATION GENERAL:

a.) For Walking Paths a 90+% Compacted Sub-Straight is required along with use of Geo-Textile membrane fabric for weed-blocking, installed over the base material is required for the installation of Colored Rubber Buffing Poured-in-Place pathways

MATERIALS:

Primer: Single component moisture cured polyurethane primer used for all edging / RT 106.

Binder: An elastic polyurethane pre-polymer with minimal odor, excellent weathering and binding characteristics. The use of Stockmeier RT106 Urethane is specific to and required for this project. Supplier must receive written authorization prior to installing the product which verifies use supply of urethane specified for this project. No as equal urethane substitutions are permitted.
Stockmeier RT 106 is exclusively supplied by RTP
Toll Free (888)329-2705

Rubber Buffing: RTP colored rubber buffing is specified. RPT consists of100% recycled tire-buffing product that is colored by way and use of iron oxide pigments. RTP colored rubber buffing material is sole sourced produce and supplied by RTP Toll Free (888)329-2705. No as equal raw material substitutions is accepted.

The body of loose-fill rubber mulch buffing consists of rubber particles ranging in size from 3/8″ to 2″ that meets or exceeds the following criteria:

- Rubber Buffing Material is Non-Toxic
- Rubber Buffing Material is Anti-Fungal
- Rubber Buffing Material is Non-Absorbent
- Rubber Buffing to Avert Nesting of Insects
- Buffing must be a Long-Strand Rubber Fiber Particle
- Rubber Buffing Material Passes Long-Strand Water Permeability per USTC Test Procedure
- Rubber Buffings Pass Accelerated U.V. Colored Buffing Test Rating a 'No Change' when exposed to 420 AFU's – Testing Methodology AATCC 16E for loose-particle buffing
- Buffing Material Must Pass Accelerated Wear Test Rating when bonded by Urethane showing 'No Change' of 20,000 foot counts – Testing Methodology CRI TM-101 for rubber buffings bounded together as a solid surface as a rubber walk
- Long-Strand Rubber Buffing Material Passes ASTM E 303 Test for Skid Resistance
- Long-Strand Rubber Buffing Material Passes ASTM D412-98a Test for Tensile & Elongation Properties
- Long-Strand Rubber Buffing Material Passes ASTM C501-84 (96) Test for Abrasive Wear

WARRANTY:

a.) Provide a written warranty stating that work executed under this Section will be free from defects of materials and workmanship for a period of two years from date of Substantial Completion, and that material breakdown and unraveling will be remedied on written notice at no additional cost to the Owner.

b.) The Warranty shall be supplied in writing, and honored by Contractor. Contractor shall Warranty removal and replacement of materials as required repairing or replacing PIP surfacing.

c.) Customer testimonials documenting ten (10) years of tenured experience is required and must be submitted inclusive of the bid package. Must supply at least (2) letters of testimonial establishing the tenure called for in the product specification.