

FlexiFlor® Architectural Specifications for Rubber Flooring & Stair Treads

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Part 1

Scope of Work

This work consists of furnishing all labor, materials, tools, equipment, and service necessary to satisfactorily complete the rubber flooring and/or rubber stair treads shown on drawings or in finish schedule.

Performance Requirements

Resistance to Dynamic or Rolling Loads

Care must be taken to prevent damage to rubber flooring by wheeled vehicles and furniture or appliances with casters. To reduce rolling resistance and minimize risk of cutting, indenting, or grooving the rubber flooring, the proper wheels and casters should be selected to carry a load of not more than 150 pounds per square inch (10.6kg per cm²). Since rollers, casters, and wheels on furniture and appliances may damage resilient flooring, any warranty as to their suitability lies with the furniture or appliance manufacturer.

Static Loading

Floor protectors should be chosen so that stationary loads do not exceed 150 pounds per square inch (10.6kg/cm²).

Flexibility

At room temperature, the rubber flooring shall bend around a 3/4" (19 mm) mandrel without breaking, crazing, cracking, or showing any change in color.

Certifications

Rubber Flooring and Treads meet California Section 01350

Rubber Stair Treads meet requirements of ADA.

Rubber and Vinyl Stair Treads meet ASTM F2169 standard specification for resilient stair treads.

VI Series Stair Treads meet California Standard Code Title 24 for the Visually Impaired. #5, #10, #56, & #95 Adhesives meet CA South Coast Rule 1168.

None of the products contains ozone-depleting chemicals (ODCs), plasticizers, halogens, PVCs, or organochlorides nor are they produced using ODC containing materials.

Environmental Conditions

The room and material temperature should be 70°F (21°C) 48 hours prior to, during and after installation. ("Temporary" HVAC is not acceptable. Systems should be fully functional and in operation prior to any resilient flooring installation.) The sub-floors which are to receive rubber flooring shall be smooth, clean, and dry and shall be inspected, approved, and accepted as satisfactory by the sub contractor for resilient flooring before installing this material. (When rubber flooring is to be installed over a wood sub-floor treated with fire retardants or a metal sub-floor, contact us for recommendations.)

For on-grade installations where there is a possibility of moisture being present, it is recommended that SRP Industries #95 HydroLock or #5 Epoxy Flooring Adhesive be used. Moisture transmission should not exceed three pounds per thousand square feet per twenty-four hours.

Where excessive moisture exists, we do not recommend the installation of our Rubber Flooring products. We do not recommend that our Sheet Rubber or Rubber Tile Flooring be installed in the following: below grade, commercial kitchens, exterior installations or over existing floor coverings.

Part 2

A. **FlexiFlor® Sheet Rubber Flooring** as herein specified or shown on the drawings shall be FlexiFlor [3/32"(2.4mm), 1/8"(3.2mm), or 3/16"(4.8mm)] gauge as manufactured by SRP Industries of Akron, Ohio. (Note: 3/16" FlexiFlor is recommended for use on stair landings in conjunction with heavy-duty stair treads, not for most floor areas.) Sheet Rubber Flooring shall be first quality in standard 41" (.91m) wide untrimmed rolls, fully homogeneous and uniform through the sheet, and comply with the requirements of ASTM F1859 and shall contain no asbestos fibers. Rolls may contain 2 pieces, the shortest piece being at least 5 square yards.

B. **FlexiFlor® Rubber Tile Flooring** as herein specified or shown on drawings shall be FlexiFlor [3/32"(2.4mm), 1/8"(3.2mm), or 3/16" (4.8mm)] gauge as manufactured by SRP Industries, Akron, Ohio. Rubber Tile Flooring shall be first quality 12" x 12" (305mm x 305mm) size, fully homogenous and uniform throughout and comply with the requirements of ASTM F1344, and shall contain no asbestos fibers.

Finishes / Colors

The coloring matter shall be of good quality, insoluble in water, and resistant to alkali, cleaning agents and light. For all Rubber Flooring products shown herein (FlexiFlor Sheet Rubber or Tile, Target® Tile, Lo-Pro® Tile, and Design Surface Tile) include the following: "RUBBER FLOORING IS SIMILAR TO PRODUCTS OF NATURE AND THEREFORE, WILL HAVE VARIATIONS IN COLOR, TONE, AND MARBLEIZATION."

Colors 608 and 707 are available "mill run" only.

C. **Molded Rubber Stair Treads** shall be as manufactured by SRP Industries, Akron, Ohio, of the type herein specified (specify style number) for the stairs listed below or where shown on the drawings. All treads, risers, landings, and floors shall be installed in accordance with the manufacturer's instructions.

The Stair Treads shall have a minimum of 80% of the back and the nose (square nose) sanded by the manufacturer to help assure proper adhesion and installation.

The treads shall be (specify style number, type, thickness and nosing) in colors to be selected by the architect.

When specifying Rubber Treads with Adjust-A-Nose feature, include: A channel shall be molded into the nose allowing adjustments to the angle of the nose to conform to returns required by "Access Codes."

When specifying Target Stair Treads, include: Stair Treads shall be (#90, #490, or #590VI) Target Stair Treads as manufactured by SRP Industries, Akron, Ohio and shall have a Flame Spread Rating of 25 or less when

tested in accordance with ASTM-E84. Stair Treads shall be installed using SRP Industries #5 Epoxy Adhesive.

Optional: Molded Rubber Risers in matching or contrasting colors, as selected by the architect shall be installed to set on top of the Rubber Treads.

Part 3

Sub-Floor Preparation for Rubber Flooring and Stair Tread Installation

General

Just prior to the installation of the resilient flooring, the sub-floor should be broom swept or vacuumed and damp mopped and allowed to dry.

New Concrete Sub-Floors

Prepare concrete in accordance with ASTM F710. Concrete should be troweled to a smooth, even surface and be aged for at least 90 days. Expansion joints should be properly filled. Neutralize the surface of the concrete. Use either 1 part Muriatic Acid and 9 parts water or 1 part white vinegar and 5 parts water to make a good neutralizing agent. Solution should remain on floor for at least one hour then flushed thoroughly with water. Allow to dry thoroughly (minimum 48 hours at 70°F). Concrete should be sound, hard and free from scale or other imperfections and thoroughly dry when installation is made. CAUTION; cinder fill, vermiculite, pumice, and other aggregates, which are hygroscopic in nature, cause the concrete to be very slow drying. This type of concrete will easily absorb excessive moisture from the atmosphere and other sources. Any concrete curing compound must be completely removed.

Wood Sub-Floors

A solid core, exterior grade plywood with one side sanded is recommended. Lauan, Particle Board, Chip Board or Hard Board should not be used as underlayment. Be sure wood sub-floor is thoroughly nailed or otherwise securely fastened to the substrate. If the wood sub-floor is uneven, it should be sanded smooth. The dust from the sanding operation should be removed by vacuuming. It is recommended that floor patching or leveling compounds are to be non-gypsum based.

Installation recommendations for Rubber Flooring and Stair Treads

General Installation Considerations

The rubber flooring shall be installed in a neat and professional manner with tight seams or joints, and with an adhesive appropriate for the installation. For most installations, SRP Industries #56 Latex Adhesive is appropriate. When concrete moisture is of concern, SRP Industries #95 HydroLock Adhesive is recommended for installations up to 90% Relative Humidity. #5 Epoxy Adhesive MUST be used for installations of Target® Tile and Stair Treads.

It is recommended that all flooring materials be dry laid and inspected to detect any possible abnormalities before beginning installation.

It is recommended that flat wheels with no ridge(s) be used on rolling equipment.

Immediately after installation, the rubber flooring shall be thoroughly rolled in both directions with a 150 pound (68kg) sectional roller. It may be necessary to weight the seam until a suitable bond has been established.

SRP Industries #95 HydroLock Adhesive or #5 Epoxy Flooring Adhesive MUST be used throughout Hospital Operating Suites.

FlexiFlor® Sheet Rubber Flooring Installations

Overlap edges of sheet rubber so that all seams can be double cut to assure a better appearance. Underscribing is not an acceptable installation method. When flashing the rubber flooring up the wall to base height, a rubber fillet strip shall be installed where the floor and wall meet, properly adhered. The top edge of the flashed rubber shall be fitted to a metal cap or other suitable trim. The flashed rubber shall be securely adhered to the fillet strip and the wall.

Optional Chemical Seam Bonding

After dry cutting and fitting the FlexiFlor Sheet Rubber Flooring, a 4" to 6" (10cm to 15cm) wide band of SRP Industries #5 Epoxy Flooring Adhesive is applied at the seam and field cuts. At the same time, SRP Industries #56 Latex Adhesive is spread in the field areas. The FlexiFlor should then be placed into the adhesive and rolled with a 150 pound (68kg) roller. To assure proper bonding, a hand roller should be used at the seams to force the adhesive into the seam and create a chemical bond. Follow adhesive label directions. Clean up excess adhesive immediately. It may be necessary to weight the seams until a suitable bond has been established.

Stair Tread Installation

The surface of the steps, risers, landings, and sub-floors should be sound, clean, free of foreign matter and dry. Moisture transmission should not exceed 3 pounds per thousand square feet per twenty-four hours. Wooden steps shall be thoroughly nailed before installation of treads. The surface of the concrete in metal pan-filled stairs shall be troweled smooth with no ridges and level with the top of the pan. The treads and risers shall be carefully fitted in a neat and professional manner, securely bonded with the appropriate adhesive. (#5 Epoxy Adhesive MUST be used on all Target stair treads. Neoprene Contact Adhesive MUST be used on all Vinyl stair treads. For most other tread installations, #56 Latex Adhesive or #95 HydroLock Adhesive is appropriate.) The nose of the stair tread shall fit tightly against, and be securely bonded to, the face of the stair riser or nosing. Open spaces at the nosing between the step and the stair tread shall be filled with SRP Industries #10 Epoxy Stair Caulk. All stairs and risers shall be thoroughly rolled until a suitable bond has been established. (Abrasive strip stair treads should be installed with a 1/16" (10mm) gap at each end of the stair tread to prevent loosening of the abrasive strip.)

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