606-6 Lane Avenue North
Jacksonville, FL 32254
Phone (904) 693-8800 FAX (904) 693-8700
www.plexi-chemie.com

Product Data Sheet For:

Rubberthane SRF

Seamless Rubber Flooring System

DESCRIPTION

Rubberthane SRF is a 100% solids, flexible urethane flooring system, designed to provide abrasion resistance and flexibility. This flooring system provides excellent chemical resistance against chipping, gouging, cracking, and can be applied to any new or restored concrete surface. Rubberthane SRF is shock absorbing and sound deadening. The leading benefits of Rubberthane SRF are that it is both comfortable to stand on for long periods of time and is seamless. This system is a suitable replacement for rubber floor tiles, sheet goods, and quarry tile. But, unlike these materials, Rubberthane SRF is 100% seamless. There are no joints where water could stand, dirt could collect, or bacteria could grow. This is a poured in place system, mixed on site, taking the place of a glued-down tile system, thus further ensuring a bacteria-free surface.

TYPICAL USES

Machine Shop Floors
Food and Beverage Processing
Pharmaceutical/Labs
Aviation
Technology and Science
Animal and Veterinary
Healthcare

FEATURES

Solvent-less – No toxic fumes
Fast cure setting – 6 hours
Flexible over a wide range of temperatures
Excellent abrasion & chemical resistance
Provides a long-lasting, tough floor
Seamless coating
Soft, comfort flooring
Optional, decorative finish

PACKAGING

Rubberthane SRF consists of 1 gal of resin (Part A), 25 oz. of hardener (Part B), and 15 lb. of rubber aggregate (Part C).

STORAGE AND CONDITIONING

Material containers should always be stored indoors in a minimum temperature range of 68ºF – 85ºF (20ºC – 29ºC) and for at least 24 hours prior to usage the minimum storage temperature should be 75ºF– 85ºF (24ºC – 29ºC) to ensure proper mixing and application properties.

SURFACE PREPARATION

General for All Substrates

The surface must be free of dust, oil, grease, old coatings or sealers. Structural defects such as cracks or breaks in the surface to be coated shall be repaired as outlined below.

New Concrete Surfaces

Approved methods include shot-blasting with a Blastrac or other equal equipment. The prepared surface shall have the texture of medium sandpaper and be completely free of any curing compounds or sealers. Cracks should be repaired using a traffic bearing joint sealant please consult Plexi-Chemie's technical representative for recommendations.

Old Concrete Surfaces with Previous Coatings

Shall have all oils, grease, dirt and old coating removed by SSPC-SP-1 solvent cleaning followed by scarification using a K-4 unit or equal to remove the bulk of the old coating. When scarification is completed, surface preparation

shall be completed as outlined in *New Concrete Surfaces* using an approved shot blast system. Holes and other bad areas have to be patched up, please consult Plexi-Chemie's technical representative for recommendations. Cracks and expansion joints and holes shall be repaired as outlined previously.

Metal Surfaces
Shall be blast cleaned to a near white SSPC-SP-10 level of cleanliness using shot-blasting or other approved method. A primer may be needed, please consult Plexi-Chemie's technical representative for recommendations.

Old Concrete Surfaces That Are Uncoated
Shall be carefully examined for oils, grease, dirt and old coating removed utilizing the previously outlined surface preparation methods. Oils, such as cutting fluids and coolants can penetrate so deeply into a floor that they cannot be removed. If there is any question as to the depth of oil or contaminant penetration, a 2" diameter core sample shall be taken and submitted to Plexi-Chemie for specific recommendations. After solvent cleaning is completed, shot-blasting, as outlined in New Concrete Surfaces, shall be performed. The prepared surface shall have the texture of medium sandpaper and fully comply with the conditions outlined in g*eneral for all substrates*. Cracks, expansion joints, and holes shall be repaired as outlined previously.

PRIMER
Prime entire surface with Plexi*Sure* 101 Primer or Plexi*Glaze* #4 Primer / Sealer.

MIXING
Approved equipment
- High Torque, Low Speed (275 RPM, Max) Mixer or ½" Drill Motor.
- Jiffy Mixer – Inverted Cup Shape.

Thoroughly mix both Part A and Part B and Part C components separately before proceeding further.

Mix six volumes of Part A with one volume of Part B (6A:1B) in a clean, dry metal container using the approved equipment. It is imperative that the material is mixed for three minutes, making certain that neither component adheres unmixed to the sides or bottom of the container. Do not entrain any air in the coating during the mixing process.

APPLICATION
Pour the properly mixed material onto the surface to be coated, being careful not to invert the container so as to touch the surface with the sides of the mixing container since unmixed material might cling to the lip or outside of the container and transfer to the area to be coated. Scrape the container thoroughly and add to the next batch which is being mixed while this application takes place. Approved equipment is a 4" stainless steel trowel. Trowel the material to the desired thickness.

TOP COAT
Use Plexi*Crest* XP Polyaspartic Urethane. For animal and veterinary facilities, we recommend PlexiCrest P Aliphatic Urethane @ 3 – 5 mils.

COVERAGE
17 sq. ft./gal @ 3/16" thick.

CLEAN-UP
Cleaning up of all equipment and tools is recommended before the gel time of the system expires. Cleaners based on MEK, a lacquer thinner or xylol can also be used. It is mandatory that these solvents are not added directly or indirectly to Rubberthane SRF.

LIMITATIONS
- The surface must be dry before application of Rubberthane SRF.
- Air and surface temperature should be above 50°F to obtain a proper cure.
- Not intended for exterior use without UV resistant traffic bearing top coat.

STORAGE
The product has a shelf life of 6 months from the date of manufacture when stored in sealed containers at temperatures in the range of 50-95°F. Avoid exposure to extreme temperatures for an extended period of time.

HEALTH AND SAFETY

Direct contact with skin and eyes should be avoided as it can cause irritation. Protective clothing, goggles, and gloves are recommended. Adequate ventilation is required when handling. In the event of direct contact with the skin, immediately wash with soap and water and report to a physician. In case of accidental contact with the eyes, flush immediately with plenty of water and report to a physician. For details refer to product material safety data sheet. This product contains isocyanate and curative material.

TECHNICAL PROPERTIES

Color	Part A: Pigmented Part B: Amber Part C: Rubber Chips
Mix Ratio (by volume)	6 Parts A to 1 Part B to 15 lb. Part C
Viscosity cp @ 77 °F	Part A: 6,000-12,000 Part B: 20-80
Density, lb./gal	Part A: 9.58 Part B: 11.17
Gel Time, min @ 75 °F (100 g)	20-30
Initial Set time, hours @ 75 °F	2-4 hrs.
Initial Cure Time, hours @ 75 °F	6-8 hrs.
Final Cure time, hours @ 75°F	72 hrs.

PHYSICAL PROPERTIES

Elongation, % @ 75°F	ASTM D-638	300-500%
Tensile Strength	ASTM D-412	>2,100 psi
Tear	ASTM D-624	310-395 lb./inch
Water Absorption	ASTM D-471	< .01%
Abrasion Resistance	ASTM D-4060 CS-17	0.03gm