

ELASTECH PRODUCTS INC.

18 Automatic Rd., Unit 12,
Brampton, Ontario, Canada
L6S 5N5

Tel:(416)410-3056 Fax(905) 494-1136

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CHAMP-FLOOR FULL POLYURETHANE SURFACE - specification

1.0 DESCRIPTION

Polyurethane based impermeable indoor running track and gymnasium system from Elastech Products Inc., utilizing Polystac SF441 and SF480, which are solvent free, two component polyurethane that is very insensitive to moisture. The system consists of multiple applications of polyurethane elastomer with rubber crumb followed by a topping of polyurethane elastomer without crumb and a UV resistant lacquer. The minimum thickness is 3/8" (10mm). Increased thickness increases shock absorption.

2.0 MATERIALS

- 2.1 Polystac SF1004 as supplied by Elastech Products Inc.
- 2.2 Polystac SF441 as supplied by Elastech Products Inc.
- 2.3 Polystac SF480 as supplied by Elastech Products Inc.
- 2.4 Polystac SF950 as supplied by Elastech Products Inc.
- 2.5 Selected SBR or Butyl black rubber granules 2-5mm
- 2.6 Polane polyurethane line paint as supplied by Sherwin-Williams Company

3.0 SUBMITTALS

- 3.1 A sample of the **Champ-Floor** surface in the proposed thickness and a minimum of 6" x 6" (150mm x 150mm).

4.0 COLOURS

- 4.1 The topping of the **Champ-Floor** system is the Polystac SF950 lacquer that can be tinted to custom colours. Custom colours must be of a "full" nature, as they must overcome the terra cotta colour of the body of the system. Colours should be selected in consultation with Elastech Products Inc. Due to the timing of matching pigments, colour selection should be made 8 weeks prior to anticipated installation.

5.0 SURFACE PREPARATION

- 5.1 The **Champ-Floor** is installed over smooth, clean and moisture free hard base such as concrete, asphalt that is smooth, dense and fully cured may also be used.

6.0 CONSTRAINTS

- 6.1 The **Champ-Floor** is normally installed in a temperature above 5 degrees C and in indoor and/or dry conditions.

7.0 INSTALLATION PROCEDURE

- 7.1 Concrete shall be new, fully cured, smooth and have a texture of a light broom finish.

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- 7.2 There shall be a reglet cut at the perimeter of the **Champ-Floor** installation 4mm wide and 6mm deep.
- 7.3 The Polystac SF1004 is applied to the surface as a primer by spray or roller. Rubber granule can be cast into the uncured primer to provide texture.
- 7.4 Polystac SF441 is mixed and spread across the entire width of the floor and rubber crumb is cast into the uncured mixture.
- 7.5 The excess rubber crumb is removed
- 7.6 Polystac SF441 is mixed and spread across the entire width of the floor in one or more layers to total encapsulate the rubber crumb
- 7.7 Polystac SF480 is mixed and spread across the entire width of the floor to achieve a smooth surface. Due to the self leveling nature of the Polystac SF480, there may be some slight changes in the final thickness at these areas.
- 7.8 The Polystac SF480 may need to be planed mechanically prior to the application of the final lacquer.
- 7.9 Polystac SF950 in the colour selected is mixed and applied by airless spray over the entire surface. *Note: this is a solvent based lacquer and there will be an odor during the cure time.*
- 7.10 When line painting is required, the lines are laid out and the appropriate coloured Polane paint is applied.

8.0 WARRANTY

Each **Champ-Floor** authorized installed warrants that the **Champ-Floor** installed conforms to the formulations and standards of rmz Elastech Products Inc. This warranty is in lieu of any other warranty expressed or implied, including, but not limited to any implied warranty of merchantability or fitness for a particular use. To maintain the warranty in effect, the **Champ-Floor** maintenance procedures must be adhered to. Note that fading and wear of the pigment or painted surface are considered normal wear and tear. Not included is vandalism or other willful acts.

The sole and exclusive remedy of the buyer against the **Champ-Floor** authorized installer shall be for the replacement of the defective area for a period of five years from the time of installation. No other remedy, including, but not limited to, incidental or consequential damages for lost profits, lost sales, injury to person or property, or any other incidental, or consequential loss, shall be available to the buyer or owner.

rmz Elastech Products Inc., the manufacturer of polyurethane binders, elastomers and lacquers utilized in the **Champ-Floor** system will be able to provide a certificate stating that the polyurethanes utilized in the **Champ-Floor** project are the same as those formulated and manufactured for use in the **Champ-Floor** system since 1990. The binders utilized in the **Champ-Floor** contain no latex. Utilization of the SF441 will allow for the maintained **Champ-Floor** surface to remain resilient