

## PRODUCT DESCRIPTION

Gymflex 8553 is a two-component, elastomeric aliphatic urethane coating which exhibits excellent adhesion characteristics, long-term color retention and stability. It will provide optimum impact resistance, flexibility and desirable friction factor for sports flooring.

## FEATURES

- Excellent Color Stability
- Super Tough
- Convenient Mixing Ratio
- Easy to Maintain

## SURFACE PREPARATION

The Gymflex 8553 aliphatic urethane coating is generally applied over resilient synthetic polymer floor systems similar to the Gymflex 8881 urethane base material. Prior to application of the GymFlex 8553 coating a careful inspection of the urethane base material must be performed to insure that it is fully cured and tack-free. Take special precaution to insure that the base material remains clean and dry prior to application of the GymFlex 8553.

When using GYMFLEX 8553 as finish coat or line paint, it is important that the basecoat be free from foreign materials prior to application of topcoats. For maximum adhesion, top coating with GYMFLEX 8553 must occur within 24 hours of the previous coat.

Should more than 48 hours elapse the following procedure must be followed to insure adhesion;

- a.) Area to be applied must be lightly sanded or buffed
- b.) Light solvent-wipe and allow surface to dry.
- c.) Apply GYMBOND 506 primer at a rate of 200-300sq. ft. per gallon.

Recoating Other Surfaces:

Contact ITW Resin Technologies for recommendations.

## RECOMMENDED USES

The Gymflex 8553 will provide a durable resistant surface for multiple sport uses. This one coat system is easy to maintain and is available in various colors that may be used for the entire surface or for line stripping and marking. (For optimum performance Gymflex 8553 Clear satin finish may be applied as an overcoat for added longevity). Gymflex 8553 may also be used over the Trackflex 8903 systems for exterior applications as a line-paint or where additional color retention is required.

**TECHNICAL INFORMATION**

<b>COLOR:</b>	Tan, Gold, Storm Gray, Light Gray, Terra Cotta, Palomino, Green, Bright Blue, Clear Matte
<b>LINE PAINT:</b>	White, Black, Yellow, Blue, Red, Orange, Green
<b>VOLUME SOLIDS:</b>	52% Colors 36% Clear
<b>VOC:</b>	5.0 lbs./gal. (615 g/ltr.)
<b>COVERAGE:</b>	150 sq. ft./gal. @ 10-12 mils WFT/ 5-7 mils DFT
<b>RECOMMENDED NUMBER OF COATS:</b>	1 - 2
<b>PACKAGING:</b>	2 and 10 gallon kits
<b>APPLICATION TEMPERATURE:</b>	50°F (10°C) min to 110°F (43.3°C) max.
<b>RELATIVE HUMIDITY</b>	85% maximum
<b>SERVICEABILITY:</b>	Recoat 6 hrs. min @ 72°F (22°C) @ 50% R.H. Foot traffic 24 hrs. min. @ 72°F (22°C) @ 50% R.H. Full Cure 3 days @ 72°F (22°C) @ 50% R.H.
<b>MIX RATIO:</b>	1:1 Resin to Hardener by volume
<b>POT LIFE:</b>	1-1/2 to 2 hrs. @ 72°F (22°C)
<b>FLASH POINT:</b>	84° F (29°C)
<b>SERVICE TEMPERATURE:</b>	180°F (82°C) dry heat resistance
<b>CLEAN UP:</b>	Use a 1:1 mixture of Xylol and MEK
<b>SHELF LIFE:</b>	1 year in a closed container stored @ 50°F-90°F
<b>ELONGATION ASTM D 412:</b>	285 +/- 20
<b>TENSILE STRENGTH ASTM D 412:</b>	1900 PSI +/- 25
<b>HARDNESS ASTM D 2240 SHORE A:</b>	75 +/- 3
<b>ABRASION RESISTANCE ASTM D 4060:</b>	20 mg. loss

**MIXING AND APPLICATION INSTRUCTIONS**

Thoroughly premix the Part B before combining. Pour 1 part A and 1 part B into a container and power mix with a metal mixing blade (Jiffy style or equal) for 3 - 5 minutes at 250 rpm to insure that all pigment is dispersed. Mix only the amount of material that can be applied within 2 hours from time of mixing. Avoid whipping air into material. It is strongly recommended that full units be used, the components are thoroughly mixed, and that all material from the bottom and sides of the container are mixed.

**NOTE:** Thinning up to 10% with xylene may be required when applied by roller. No thinning necessary when applied by spray equipment.

**Roller:** The mixed material can be applied by either brush or roller. A bristle or foam brush is recommended for cutting in and line striping. To roll the product a high quality lint free or foam roller is recommended.

**Spray:** Apply by means of airless spray equipment at a rate of approximately 175-200 sq. ft. per gallon. An airless sprayer capable of a minimum of 2500 psi with a 9/29 (0.029") or comparable tip size is recommended. Clean all equipment immediately after application.

**PRECAUTIONS:**  
Read the Material Safety Data Sheet (MSDS) and container labels for detailed health and safety information.

This product contains flammable solvents! Keep away from all sparks, flames and hot surfaces. Maintain good ventilation and avoid breathing vapors.

Avoid prolonged or repeated contact with skin. Wear appropriate respiratory equipment when applying.

This product is intended for industrial use by properly trained professional applicators only.

**General:** Every reasonable effort is made to insure the technical information and recommendations on these data pages are true and accurate to the best of our knowledge at the date of issuance and are subject to change without notice. Products and information are intended for use by qualified applicators that have the required background, technical knowledge, and equipment to perform said tasks in a satisfactory manner.

**Warranty:** ITW Resin Technologies, a division of Illinois Tool Works Inc., warrants that its products meet their printed specifications. This is the sole warranty. This warranty expires one year after the shipment.

**Warranty Claims:** If any product fails to meet the above, ITW Resin Technologies will, at its option, either replace the product or refund the purchase price. ITW Resin Technologies will have no other liability for breach of warranty, negligence or otherwise. All warranty claims must be made in writing within one year of date of shipment. No other claims will be considered.

**Disclaimer:** ITW Resin Technologies makes no other warranty, express or implied, and specifically disclaims any warranty of merchantability or fitness for a particular purpose. Suggestions concerning use of products are not warranties. The purchaser assumes the

responsibility for determining suitability of products an appropriate use. ITW Resin Technologies' sole liability, for breach of warranty, negligence or otherwise, shall be replacement of product or refund of the purchase price, at ITW Resin Technologies' election. Under no circumstances shall ITW Resin Technologies be liable for any indirect, incidental or consequential damages, even if advised of the possibility of such damages.

**Modification of Warranty:** No distributor or sales representative has the authority to change the above provisions. No change in the above provisions will be valid unless in writing and signed by an officer or the Technical Director of ITW Resin Technologies. No term of any purchase order shall serve to modify any provision of this document.

**Mediation and Arbitration:** If any dispute arises relating to products or product warranties, either the purchaser or ITW Resin Technologies may a) initiate mediation under the then current Center for Public Resources ("CPR") Model procedure for mediation of Business Disputes, or b) initiate non-binding arbitration under the rules of the American Arbitration Association for the resolution of commercial disputes.