

## PRODUCT DESCRIPTION

GYMFLEX 8887 is a 100% solid, self-leveling polyester urethane elastomer. Designed as a multi-purpose gymnasium floor surface it has excellent shock absorbency that aids in both sport and recreational uses. Performance properties of the cured system can be varied to meet numerous industry standards. This urethane system is mercury and lead free unlike many systems on the market today. These hazardous elements can cause health problems and will increase disposal costs when the system needs to be replaced.

## FEATURES

- Mercury Free
- Abrasion Resistant
- Self-Levelling
- Deformation Recovery

## SURFACE PREPARATION

The GYMFLEX 8887 shall be applied as an intermediate layer over prefabricated rubber base mats sealed with GYMBOND 8920 Pore Filler. The GYMBOND 8920 should be applied in accordance with the instruction found on the Technical Bulletin and allowed to fully cured prior to application of the GYMFLEX 8887. Please refer to Technical Bulletin #1813 for further instructions.

The GYMFLEX 8887 may also be used over existing two-component resilient urethane substrates. In this instance, the substrate shall be sanded to remove any finish and expose the urethane base material. A 65 - 100 mesh sand paper may be used. Wash the existing urethane based with clean water to remove and dust from the sanding process. This may require multiple applications to completely clean the substrate. Allow the substrate to dry thoroughly and prime with the GYMBOND 506 Primer.

## RECOMMENDED USES

The GYMFLEX 8887 is a fluid applied multi-purpose gymnasium flooring system. It acts as a wear layer for a pre-fabricated base mats made from recycled rubber and urethane binder. This multi-layer system provide a durable gymnasium floor for all your sporting needs. Traditional activities include basketball, volleyball and interior jogging tracks. The addition of the GYMFLEX 8553 creates a highly scratch resistant surface available in many colors.

**TECHNICAL INFORMATION**

<b>COLOR</b>	Tan
<b>VOLUME SOLIDS</b>	100%
<b>V.O.C.</b>	0 lbs./gal.
<b>COVERAGE</b>	0.27 lbs/sq.ft. @ 1mm thick
<b>RECOMMENDED THICKNESS</b>	2mm depending on specification and surface
<b>PACKAGING</b>	5 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 5 days @ 72°F (22°C) @ 50% R.H.
<b>MIX RATIO</b>	4:1 resin to hardener by weight
<b>POT LIFE</b>	45 minutes @ 72°F (22°C)
<b>FLASH POINT</b>	370°F (188°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>	6 mos. in closed container @ 50° - 90° F
<b>ELONGATION (ASTM D-412)</b>	150% +/- 25
<b>TENSILE STRENGTH (ASTM D 412)</b>	900 +/- 50 psi
<b>HARDNESS (ASTM D 2240)</b>	75 +/- 5 Shore A
<b>VISCOSITY (Brookfield LV4 @ 60 RPM)</b>	4000 CPS

**MIXING AND APPLICATION INSTRUCTIONS**

Premix both components before combining. Pour 4 parts A and 1 parts B by weight 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 filler is dispersed. Secondary mixing is recommended in a separate mixing vessel. Mix only the amount of material that can be applied within 30 minutes 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 for the bottom and sides of the container are mixed.

**Note: No thinning of the GYMFLEX 8887 is necessary.**

Pour mixed material directly on the surface in a long puddle the entire width of the area to be coated. Spread with a guage rake set to 2mm and maintain a wet edge throughout application. If small air bubbles should develop during application a hair dryer or blower may be used to enhance air release characteristics of the material.

Please refer to Technical Bulletin #1813 for application with pre-fabricated rubber mat systems.

**PRECAUTIONS:**

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

Maintain good ventilation and avoid breathing vapors. Avoid prolonged or repeated contact with skin

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.

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**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.