

Description	Features	Benefits
<p>Produced from recycled tire rubber, <b>Turboseal P</b> is a single component, highly elastomeric polymer rubber gel infused with special adhesives. <b>Turboseal P</b> is used in the composite <b>GEL-TECH SYSTEM</b> GT-350 positive side and GT-500 blind side water proofing systems for above and below grade construction. Due to its superior flexibility, Adhesiveness and self healing characteristics. <b>Turboseal P</b> is ideal for effective, permanent waterproofing. <b>Turboseal P</b> can be applied to green concrete, reducing overall project time and costs. <b>Turboseal P</b> is applied by a rotor/stator pump and trowel.</p>	Applies to green concrete and on surfaces with foreign materials. No primer necessary.	Ease of effectiveness of application
	Monolithic self healing membrane.	No seams, no water intrusion.
	Remains as a flexible gel. Durable to vibration and continuous movement.	Waterproofing integrity is maintained. No loss of adhesion.
	One component, No mixing of chemicals, easy to apply, safe, low odor, easily stored and transported.	Cost-effective, reduce labor, save time, fewer mistakes in application.
	High solid content, solvent free, 25% recycle tire rubber, <1% VOC	Environmentally responsible. Contributes to LEED qualification
	Durable, chemically resistant to freeze/thaw cycling, dry/wet cycling.	Effective in many different types of environments.

**Uses**

**Turboseal P** is applied in both above grade and below grade applications. **Turboseal P** is suitable for new construction and repair applications.

Applications include the following types of waterproofing:

Horizontal positive side waterproofing(GT-350) Vertical wall positive side waterproofing (GT-350) Blind side waterproofing(GT-500)

**Areas of application include:**

- Plaza decks
- Elevatorpits
- Poured wall foundations
- Block wall foundations
- Brick wall foundations
- Granite/limestone foundations
- Split slab construction
- Diaphragm wall(blind side)
- Green roofs

**How to Apply Turboseal P**

**Equipment**

**Turboseal P** should be applied with a rotor stator pump and trowel or squeegee, a notched hand trowel is used for detailing. For most applications, use 4cm diameter hoses and a long handled squeegee

**Preparation**

Remove any foreign matter from concrete surface that extrudes from the surface more than 80mils with a broom or blower.

No surface primer is necessary. **Turboseal P** can be applied to green concrete.

**Application**

**GT-350** systems – apply **Turboseal P** to substrate at an even 90-120 mil thickness, embed HDPE turbosheet into **Turboseal P**, lapping seams by 15cm. Solvent wipe cover sheet seams to ensure an intimate bond when

**Application Cont.**

taping the seams with Turbo-tape. After seams are taped, the system is complete.

GT-500 systems – attach HDPE Sheet to substrate, laping seams by 15cm. Solvent wipe cover sheet seams to ensure an intimate bond when taping the seams with Turbo-tape. Apply **Turboseal P** to HDPE Sheet at an even 90-120 mil thickness, fasten Miracle Mesh into **Turboseal P** and cover with water soluble film to complete system.

**Clean Up**

Dab excess **Turboseal P** off of th pump with cloth. Additional cleaning can be done with citrus cleaner.

**Health and Safety**

Avoid contact with skin and eyes. Wear suitable gloves and safety glasses. See MSDS.

**TURBO-SEAL P™**  
Polymer Rubber Gel

**Turboseal P**

PROPERTY	RESULTS	TEST METHOD
Solid Content	75%	ASTM D1353
Resistance to Decay	0% moisture permeation and Weight change	ASTM E-154-88
Hardness*	80	ASTM C836-89
Puncture Resistance*	102 lbf	ASTM E-154
Flash Point	>200° F	ASTM D56
Tensile Strength*	190± 0.11 lbs/in.	ASTM D-412-98
Elongation%	394%	ASTM C1135
Hydrostatic Pressure Resistance*	169 3± lbs/in <sup>2</sup>	ASTM D-751
Adhesion to concrete	Rating of 1(Excellent)	ASTM D-412-98
Crack Bridging Flexibility	No cracks	ASTM C-836-89
Moisture Permeability*	.0185 perms	ASTM E-96-80
Viscosity	150,000 cp**; 3,100,000 cp***	ASTM D2196

NOTE: Results Shown are not intended as performance criteria for on-site installed material.

\*Results based on composite system with reinforced HDPE Turbo-sheet(GEL-TECH SYSTEMGt-350, GT-500)

\*\*Pump/application mixed conditions

\*\*\* Static surface condition

**Packaging**

**Turboseal P** is packaged in 20L(5.28 Gallon) Cartons.

**Yield**

16 avg. ft<sup>2</sup>/gallon at 90 mil thickness

Actual coverage and thickness used depends on the substrate and type of application

**Transportation**

**Turbo Seal P** is classified as a DOT non-hazardous material.

**Storage**

Store in unopened containers in clean, dry conditions at 50 to 80 F.

**Shelf Life**

Indefinite, when stored according to recommended storage guidelines.

**Limitations**

All Gel-Tech Systems components must be installed in immediate succession at time of application.

Turbo-Seal and the Gel-Tech System components are not UV rated. During construction, installed Gel-Tech Systems must be protected from environmental exposure.

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