



TURBO-SEAL P™

Polymer Rubber Gel

PRODUCT DATA: GEL-TECH SYSTEM 2-201.45

Description

Produced from recycled tire rubber, **Turbo-Seal P** is a single component, highly elastomeric polymer rubber gel infused with special adhesives. **Turbo-Seal P** is used in the composite **GEL-TECH SYSTEM** GT-350 positive side and GT-500 blind side waterproofing systems for above and below grade construction. Due to its superior flexibility, adhesiveness and self healing characteristics, **Turbo-Seal P** is ideal for effective, permanent waterproofing. **Turbo-Seal P** can be applied to green concrete, reducing overall project time and costs. **Turbo-Seal P** is applied by a rotor/stator pump and trowel.

Uses

Turbo-Seal P is applied in both above grade and below grade applications. **Turbo-Seal 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*
- Elevator Pits*
- Poured wall foundations*
- Block wall foundations*
- Brick wall foundations*
- Granite/limestone foundations*
- Split slab construction*
- Diaphragm wall (blind side)*
- Green roofs*

Features

Applies to green concrete and on surfaces with foreign materials. No primer necessary.

Monolithic self healing membrane.

Remains as a flexible gel. Durable to vibration and continuous movement.

One component. No mixing of chemicals, easy to apply, safe, low odor, easily stored and transported.

High solids content, solvent free, 25% recycled tire rubber, < 1% VOC

Durable. Chemically resistant, resistant to freeze/thaw cycling, dry/wet cycling.

Benefits

Ease and effectiveness of application.

No seams, no water intrusion.

Waterproofing integrity is maintained. No loss of adhesion.

Cost-effective, reduce labor, save time, fewer mistakes in application.

Environmentally responsible. Contributes to LEED qualification

Effective in many different types of environments.

How to Apply Turbo-Seal P

Equipment

Turbo-Seal 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 1.5" 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.

Turbo-Seal P can be applied to green concrete.

Application

GT-350 systems - apply **Turbo-Seal P** to substrate at an even 90-120 mil thickness, embed HDPE Turbo sheet into **Turbo-Seal P**, lapping seams by 6". 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, lapping seams by 6". Solvent wipe cover sheet seams to ensure an intimate bond when taping the seams with Turbo-tape. Apply **Turbo-Seal P** to HDPE sheet at an even 90-120 mil thickness, fasten Miracle Mesh into **Turbo-Seal P** and cover with water soluble film to complete system

Clean Up

Dab excess **Turbo-Seal P** off of the pump with a 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.

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Turbo-Seal P

PROPERTY	RESULTS	TEST METHOD
Solids 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 ²	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 SYSTEM GT-350,GT-500).

** Pump/application mixed condition

***Static surface condition

Packaging

Turbo-Seal P is packaged in 20L (5.28 gallon) cartons.

Yield

16 avg. ft²/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 System 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.

For Technical Assistance call toll free at 866-99RESYS



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