



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 and bentonite. **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 sealing 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 of application and effectiveness.

No seams, no water intrusion.

Waterproofing is maintained. No loss of adhesion or separation.

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

Environmentally responsible. Contributes to LEED qualification

Effective in many different types of environments.

Packaging

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

Yield

17.50 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.

Shelf Life

Indefinite, when stored according to recommended storage guidelines.

Storage

Store in unopened containers in clean, dry conditions at 40 to 80° F.

Technical Data Composition

Turbo-Seal P is a polymer rubber gel infused with special adhesives and bentonite.

Testing

- ASTM E-154-88
- ASTM E-96-80
- ASTM D-751
- ASTM D56
- ASTM D-412-98
- ASTM D1353
- ASTM D2196
- ASTM C1135
- ASTM C-836-89

Typical Properties

PROPERTY	VALUE
pH	7.5 ~ 8.0
Specific Gravity	1.1 ~ 1.3
Freezing Point	Below -25° F
Softening	Below 30° F
Physical State	Liquid
Appearance	Black
Viscosity	150,000 cP* 3,100,000 cP**
Flash Point	> 200° F

*Pump/application mixed condition

**Static surface condition

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Test Data

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
Puncture Resistance*	2200g (4.85lbs)	ASTM D 1709
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).

** Pump/application mixed condition

***Static surface condition

How to Apply Turbo-Seal P

Equipment

Turbo-Seal P should be applied with a rotor stator pump and trowel or squeegee.

For most applications, use 1” 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.

Preparation Cont.

No surface primer is necessary. **Turbo-Seal P** can be applied to green concrete.

Application

As **Turbo-Seal P** is pumped onto the surface, trowel it out in a smooth continuous movement making sure that **Turbo-Seal P** is spread evenly over the whole surface at an even 80-100 mil thickness ±20 mil.

Embed reinforced HDPE **Turbo-Sheet** into **Turbo-Seal P**, lapping seams by 6”.

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.

For Technical Assistance call toll free at 866-99RESYS



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REV 07.19.10 V 1-101.36

Printed in USA

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