



## Turbo-Seal P™

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### Detailed description

Single component, non-curing, highly elastomeric, recycled polymer rubber gel with special adhesives, designed to form a cold applied liquid waterproofing system for horizontal and vertical waterproofing applications in conjunction with a protection sheet. Can be used within both new construction and repair applications.

### Features and benefits:

- Highly flexible, with good adhesive bonding properties.
- Forms a monolithic, self-healing membrane.
- Can be applied straight onto green concrete and other surfaces with foreign materials - no primer is required, helping to reduce overall project time and costs.
- Easy to apply - no mixing required.
- Heavy bodied and highly viscous.
- Durable to vibration and continuous movement.
- Low odour and solvent-free.
- Contains 25% recycled materials (tyre rubber).
- Chemically resistant to freeze-thaw cycling and dry/ wet cycling.
- Seamless, with no water intrusion.
- High solids content.
- Non-flammable.
- Gel can be applied with a rotor stator pump and trowel or squeegee.
- Contributes to LEED credits.
- Classified as a DOT non-hazardous material.
- Warranties for materials are available depending on project and required timeframe - consult manufacturer for details.

For use as either a positive or blind side Gel-Tech system:

- GTS-350: Combines the polymer rubber gel with a high performance, durable, puncture resistant protection sheet that can be applied to new construction and restoration projects. Apply TurboSeal P to the substrate at an even 2 L/m<sup>2</sup>, then embed high-density polyethylene (HDPE) or SBS Turbosheet into TurboSeal P, lapping seams by 15 cm. Solvent wipe cover sheet seams to ensure an intimate bond when taping the seams with a double sided tape, hot air welding or by torch.
- GTS-500: Combines a durable HDPE/ LLDPE/ SBS protection sheet, and the non-curing polymer rubber gel on new construction projects. Attach the protection sheet to the substrate, lapping seams by 15 cm. Wipe the seams to ensure an intimate bond when taping or hot air welding the seams. Apply TurboSeal P to the protection sheet at an even 2 L/m<sup>2</sup>, fasten the Miracle Mesh into TurboSeal P and cover with a PVA water soluble film.



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Consult manufacturer for further details on system components. Turbo-Seal and the Gel-Tech System components are not UV rated. During construction, installed Gel-Tech Systems must be protected from environmental exposure.

### Applications:

For use as a permanent waterproofing solution for immediate application to a variety of different areas, including:

- Green roofs.
- Basements in buildings.
- Tunnels.
- Landscaping areas.
- Podium areas.
- Plaza decks.
- Elevator pits.
- Poured/ block/ brick foundations (including below grade masonry).
- Granite/ limestone foundations.
- Below grade concrete walls/ insulated concrete forms.
- Split slab construction.
- Diaphragm walls (blind side waterproofing).
- Horizontal (positive side waterproofing).
- Vertical (positive side waterproofing).

### Product guidance - As Standard

#### Application thickness:

2 L/m<sup>2</sup> (approximately 2 mm) depending on the substrate conditions.

#### Coverage:

10 m<sup>2</sup>/20 L box (approximately). Actual coverage and thickness used depends on the substrate and type of application.

#### Technical characteristics:

- Solids content (to ASTM D1353): 99%.
- Resistance to decay (to ASTM E-154-88): 0% moisture permeation and weight change.
- Hardness (to ASTM C836-89): 80.
- Puncture resistance (to ASTM E-154): 102 lbf.
- Flash point (to ASTM D56): >228°C.
- Tensile strength (to ASTM D-412-98): 190±0.11 lb/in.
- Elongation (to ASTM C1135): 394%.
- Hydrostatic pressure resistance (to ASTM D-751): 169±3 lbs/in<sup>2</sup>.
- Adhesion to concrete (to ASTM D-412-98): Rating of 1 (excellent).
- Cracking bridging flexibility (to ASTM C-836-89): No cracks.



- Moisture permeability (to ASTM E-96-80): 0.185 perms.
- Viscosity (to ASTM D2196): Mixed application conditions: 150 000 cp; static surface condition: 3 100 000 cp.
- Peel resistance (to ASTM D1876-08): 1.01 lbf/in.
- VOC content: <1%.

## Product specification

### Manufacturer

- Name: All Aspects Insulation Material
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**Product reference** Turbo-Seal P™

**Type** GTS-350 - Positive side (horizontal and vertical) composite waterproofing system.  
GTS-500 - Blind side composite waterproofing system.