

SPECIFICATION INFORMATION



Under-Slab Insulation/Vapor Barrier

Division: 0700

Revision #2

1.0 Product Name

Insul-Tarp®
Under-Slab Insulation/Vapor Barrier.

2.0 Manufacturer



Insulation Solutions®

Insulation Solutions Inc.
401 Truck Haven Road.
East Peoria, IL 61611

Engineering Assistance
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3.0 Product Description

3.1 Basic Use:

Insul-Tarp® is an under-slab insulation/vapor barrier designed to provide a thermal break and moisture barrier between the slab and grade. When used with radiant heated slab applications, **Insul-Tarp®** will increase the performance of the system by redirecting heat back into the slab.

Insul-Tarp® can also reduce condensation, mold and degradation by controlling water vapor migration.

3.2 Composition & Materials:

Insul-Tarp® is a half-inch, multilayer insulation. **Insul-Tarp®** is manufactured using cross woven polyethylene, high density closed-cell foam, a layer of high density polyethylene bubble and two layers of reflective aluminum. These layers combine to provide consistent thermal and moisture protection.

3.3 Size:

Insul-Tarp® is available in 6' X 25', 6' X 50', 12' X 25' and 12' X 50'. Estimate 10% overage as roll sizes are approximate.

3.4 Weight:

Insul-Tarp® weighs approximately 12.5 lbs. per 150 sq. ft.

4.0 Technical Data

4.1 Applicable Standards

American Society for Testing & Materials (ASTM)

- **ASTM C 518-02** Standard Test Method for Steady-State Thermal Transmission Properties by Means of the Heat Flow Meter Apparatus
- **ASTM E 96** Standard Test Methods for Water Vapor Transmission of Materials
- **ASTM E 1643** Standard Practice for Installation of Water Vapor Retarders Used in Contact with Earth or Granular Fill Under Concrete Slabs
- **ASTM D 412-98** Standard Test Methods for Vulcanized Rubber and Thermoplastic Elastomers-Tension
- **ASTM D 3575** Standard Test Methods for Flexible Cellular Materials Made From Olefin Polymers
- **ASTM D 751** Standard Test Methods for Coated Fabrics
- **ASTM D 1922** Standard Test Method for Propagation Tear Resistance of Plastic Film and Thin Sheeting by Pendulum Method

Note: To the best of our knowledge, these are typical property values and are intended as guides only, not as specification limits. Insulation Solutions Inc.® makes no warranties as to the fitness for a specific use or merchantability of products referred to, no guarantee of satisfactory results from reliance upon contained information or recommendations and disclaims all liability for resulting loss or damage.

PROPERTIES	TEST METHOD	INSUL-TARP®
<i>Test Results - Independent Test Facility</i>		<i>English</i>
Weight Per 150 sq. ft.		12.5 lbs.
Tensile Strength and Elongation (Bubble Pack)	ASTM D 412-98	136 psi
Tensile Strength (Cross Woven Polyethylene)	ASTM D 751 (Grab)	45 lbf/in.
Compression Set	ASTM D 3575-00	4.3%
Compression Set	ASTM D 3575-10-16	3.2%
Bursting Strength (Bubble Pack)	ASTM D 751-00 (Ball Burst)	95.1 lbf
Bursting Strength (Bubble Pack)	ASTM D 751-73 (Mullen)	90 psi
Tear Strength (Cross Woven Polyethylene)	ASTM D 1922 (Tongue Tear)	28 lbs (Warp) 33 lbs (Fill)
Maximum Use Temperature		180° F
Minimum Use Temperature		-60° F
Water Vapor Permeance	ASTM E 96	.002 perms CLASS A

Part Numbers: DRFB625, DRFB650
DRFB1225, DRFB1250