

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
Toll Free: 866-698-6562
Fax: 309-698-0065

www.insulationsolutions.com

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