

ABOUT SPACE AGE®

Space Age® Reflective Insulation is a lightweight, pliable insulation that contains no scratchy, harmful fibers. Space Age® consists of a compact shaped polyethylene air bubble sandwich between reflective aluminum foil. Space Age® is available with the reflective surface on one side and a white poly surface on the other (WBF & WBBF), or with reflective surfaces on both sides (FBF & FBBF).

WALLS & CEILINGS

Use WBBF - Added Benefit (R-5)

Walls

1. Make sure the fiberglass is installed properly between studs.
2. Staple Space Age® to the stud (white side against the fiberglass) every 16" (40 cm). Do not overlap the material.
3. Seal the seams with ISI Foil Tape.
4. Install furring strips.
5. Install finished wall covering.

Ceilings

Same installation as the walls: Install Space Age® and furring strips first. Space Age® can support attic insulation. Just install the mass insulation over the Space Age® between the rafters.

GARAGE DOORS

Use FBBF - Added Benefit (R-6)

1. Create spacing strips by cutting Space Age® into 2" strips.
2. With double-sided tape, apply spacing strips onto the door, to create an air space between the door and the Space Age®.
3. Install Space Age® on the spacing strips with double-sided tape.
4. Seal the seams with ISI Foil Tape.

DUCTS & PIPES

Use FBBF – Added Benefit (R-6)

1. With double-sided tape, install a 2" (5 cm) strip of Space Age® around the duct or pipe every 16" (40 cm).
2. Install Space Age® around the strips and cut it to overlap approximately 1" (2.5 cm).
3. Seal the seams with ISI Foil Tape.

WATER HEATERS

Use FBBF – Added Benefit (R-6)

1. With double-sided tape, install a 2" (5 cm) strip of SPACE AGE® around the water heater every 16" (40 cm).
2. Install Space Age® around the strips and cut it to overlap approximately 1" (2.5 cm).
3. Seal the seams with ISI Foil Tape.

Engineering Assistance

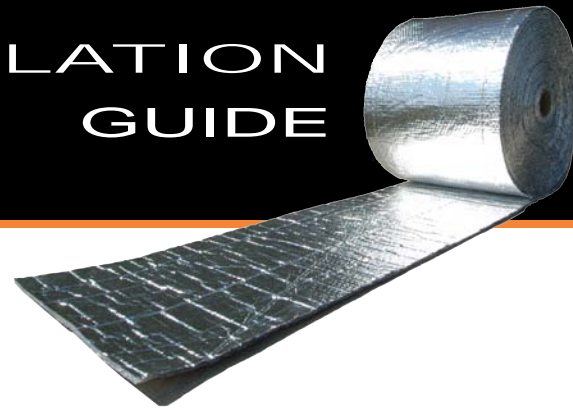
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Note: R-values stated here are calculated system R-values (not tested). R-value performance is based upon heat flow direction and the amount of air space for a given application. Different applications yield different performance values. Space Age® must be installed properly to achieve stated benefit. To the best of our knowledge, these are typical property values and are intended as guides only, not as specification limits. Insulation Solutions Inc.® (ISI) 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.



UNDER CONCRETE SLABS

Use WBBF - Added Benefit (R-1)

1. Unroll Space Age®, white side up.
2. Overlap the seams by 2" (5 cm) and seal with ISI White Poly Tape.
3. Run the material 6" (15 cm) up and along the wall.
4. Place wire mesh, tubing, etc. then pour concrete.

RADIANT HEATING SYSTEMS – BETWEEN JOISTS

Use FBBF – Added Benefit (R-12.5)

1. Staple Space Age® between joists.
2. Place at least 1" below tubing (refer to tubing manufacturers' installation instructions for proper spacing).

POST FRAME & METAL BUILDINGS - ROOF

Use WBF, FBF, WBBF or FBBF – Added Benefit (Vapor Retarder & Radiant Barrier)

Method #1

1. Attach Space Age® to the top purlin and unroll along the truss.
2. Slightly drape Space Age® between the purlins.
3. Tape all seams with ISI Foil Tape.
4. Attach metal skins.

Method #2 (Optimal Thermal Performance)

1. Attach Space Age® to the top purlin and unroll along the truss.
2. Place ¾ inch foam or plywood spacers on top of Space Age®.
3. Tape all seams with ISI Foil Tape.
4. Attach metal skins.

POST FRAME & METAL BUILDINGS - WALLS

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