

INSULATION DOUBLE WALL THERMAL INSULATION

DOUBLE WALL THERMAL INSULATION



DOUBLE WALL CONSTRUCTION

Double wall construction is often seen as the best low-cost option, having the lowest first cost. This construction includes one dead-air space between the two architectural fabric layers, the structural exterior fabric and the inside thermal liner.

ABOUT DOUBLE WALL CONSTRUCTION

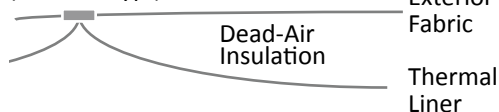
The thermal insulation provided by the dead-air space of Arizon's double wall construction is now the industry standard and made air structures a successful mainstream building design type. A detailed drawing of the double wall construction style is shown below.

The dead-air space is approximately 6" in the center of a panel. The depth of the dead-air space is carefully designed to prohibit air convection within the panel.

The table to the right shows the insulation "R-value" for double wall construction calculated at R-4.06.

ABOUT DOUBLE WALL CONSTRUCTION

Radio Frequency
Welded Seams
(2" weld, typ.)



INSULATION CALCULATION	DOUBLE WALL
Exterior Surface, 15 MPH Wind	0.17
Exterior Fabric	0.79
Dead-Air Space	1.86
Fiberglass Insulation	---
Thermal Liner	---
Dead-Air Space	---
Thermal Liner	0.62
Inside Surface, still air	0.62
TOTAL R-VALUE	4.06

ARIZON
BUILDING SYSTEMS

(800) 325-1303
11880 Dorsett Road,
St. Louis, MO 63043
ArizonBuildingSystems.com