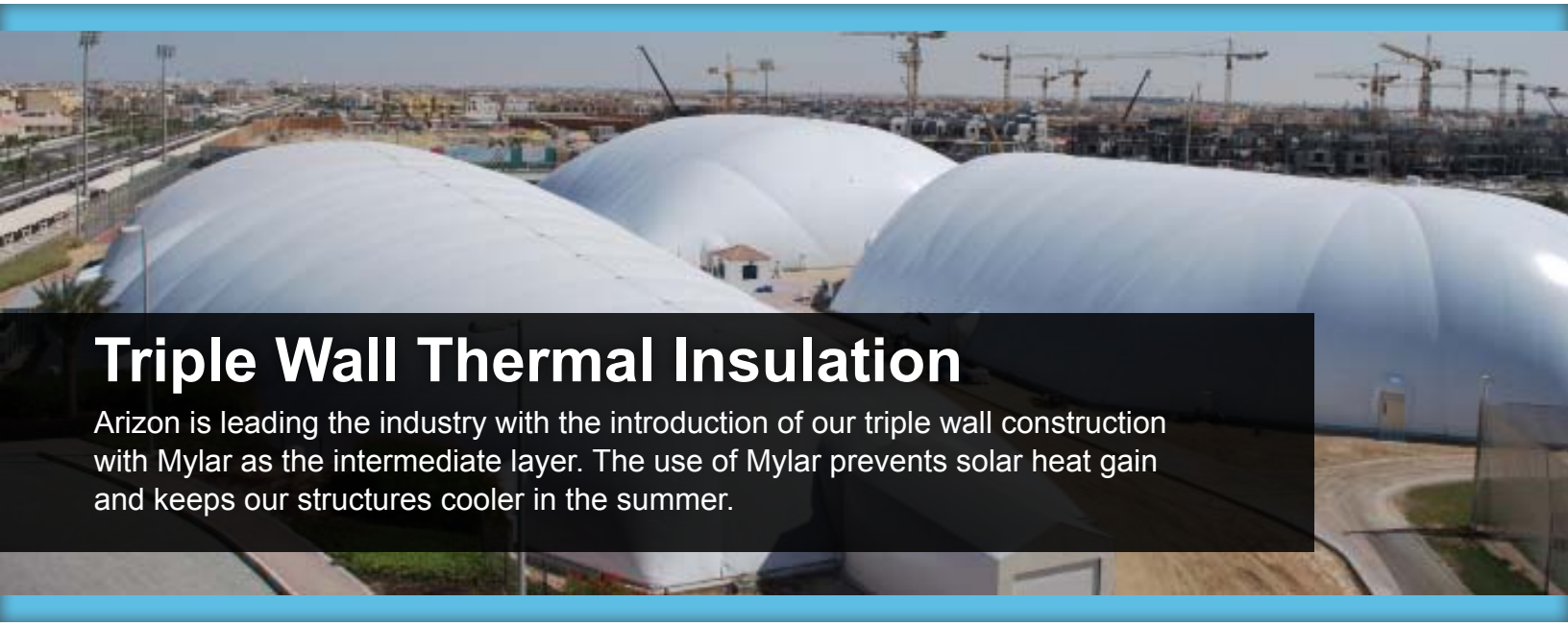

Triple Wall Thermal Insulation

Arizon is leading the industry with the introduction of our triple wall construction with Mylar as the intermediate layer. The use of Mylar prevents solar heat gain and keeps our structures cooler in the summer.

Insulation Calculation	Triple Wall
Exterior Surface, 15 MPH wind	0.17
Exterior Fabric	0.79
Dead-Air Space	1.86
Fiberglass Insulation	---
Thermal Liner	0.62
Dead-Air Space	1.86
Thermal Liner	0.62
Inside Surface, still air	0.62
TOTAL R-Value	**6.54**

About Triple Wall Construction

Summer use of the air supported structure usually means air conditioning or uncomfortable conditions inside the dome. In addition to the warmer temperatures of summer, the solar heat gain on all buildings creates a significant demand for more air conditioning. One solution used for years has been reflective Mylar as a building component. Arizon has incorporated that concept into our air supported structure systems.

There are two properties of roof coatings that keep roof surfaces cool in the sun: High reflectivity to reflect away the sun's energy instead of absorbing it, and high emissivity to radiate away any energy they do absorb.

Any locations where solar heat gain is a signficant part of the cooling load of this building will greatly benefit from this design. Unlike other insulation types that must be installed in the field, triple wall Mylar construction is factory-installed and still delivers exceptional insulative results. Arizon's team can analyze your application and help determine if our triple wall with reflective mylar is advantageous for your project.

Triple Wall Construction Detail