

# ACMpanelworx

## Creating better building envelopes.

For years polyurethane spray foam has been used with great success to improve R-Values, eliminate air penetration and alleviate moisture problems within building envelopes.

Building envelope design has greatly improved over a short history, while spandrel glazing insulation and A/V barriers within them have largely remained unchanged and inefficient for decades.

Until now, ACMpanelworx has designed and combined the benefits of high density foam insulation and aluminum composite materials to re-create spandrel infill panels & backpans to exceed the efficiencies of the modern building envelope.

**arctic infill**  
insulated ACM infill panel

**arctic pan**  
foam insulated backpans

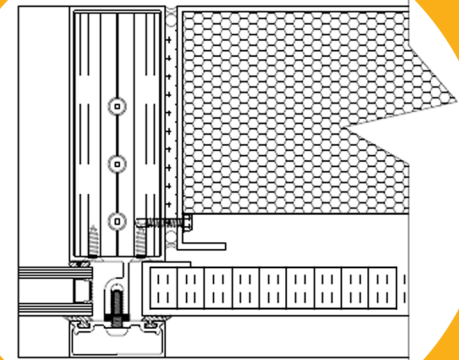


# ARCTIC INFILL & ARCTIC PAN INTRODUCE SPANDREL TO THE 21ST CENTURY.

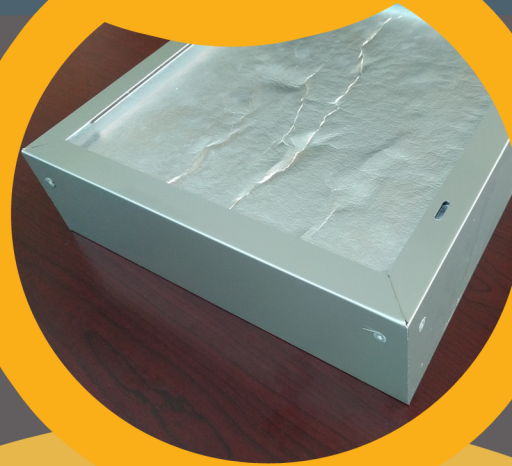


Mineral wool insulated spandrel cavities have performed poorly for decades. The poor thermal performances within the curtainwall cavity and the narrow profile of aluminum window systems have limited the ability to achieve higher R-Values within the spandrel glazing cavity. Arctic Infill & Arctic Pan utilizes ACM, galvanized metal and high density polyisocyanurate foam to re-invent spandrel cavity.

The greatest advantage is the combination with RMAX TSX-8500 that will double the R-Value of standard mineral wool insulation, RMAX TSX-8500 not only elevates the energy efficiency of our building envelope, but also creates a backpan resistant to air infiltration, and virtually eliminates moisture build-up within the insulating cavity.



Arctic Pan Jamb Detail  
With Arctic Infill Panel



For designers, the Arctic Infill panels provide the ability to use custom pre-finished ACM panels to your spandrel locations, utilizing finishes such as wood grain, exotic metals, corten, granite, stucco, and even embossed. This use of ACM panel also allows the design freedom to create different shapes and simple shadow box designs.

**Contact us to help re-invent your next project!**

## THERMAL PROPERTIES / PRODUCT DATA

Nominal Thickness Inches	Thermal R-Value °F-ft <sup>2</sup> -hr/Btu
0.50	3.2
0.75	5.0
1.00	6.0
1.50	9.6
1.55	10.0
2.00	13.1
2.30	15.3
2.50	16.7
3.00	20.3
3.50	23.9
4.00	27.4
4.50	31.0

Thermal values are determined by using ASTM C518 test method at 75 F mean temperature on material conditioned according to PIMA Technical Bulletin No. 101.

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