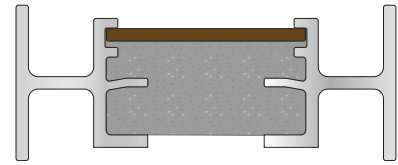


# Azo-Core™

thermal barrier



Azon Saves Energy

high performance total design concept from the **AZO/Tec®** team



# Azo-Core™ thermal barrier

A design concept from the AZO/Tec® design department influenced by European technology, Azo-Core™ adapts the time-proven use of polyurethane foam as its thermal barrier insulator for aluminum fenestration.

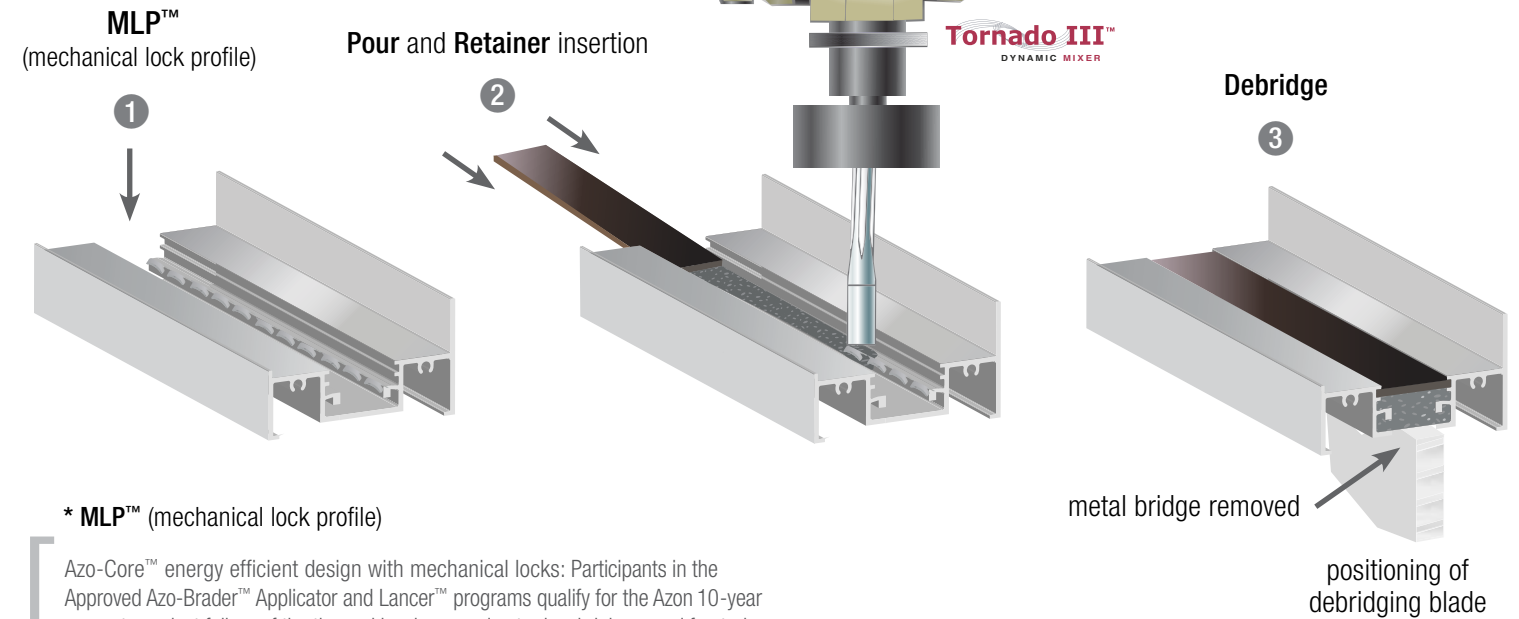
Azo-Core™ is a unique high-density foam strengthened by MLP™ (mechanical lock profile) the exclusive Azon system for ensuring integrity of the strength and adhesion of the foam to difficult-to-adhere-to finishes. Azo-Core is provided under the Azon warranty umbrella—the only protection of its kind for aluminum fenestration in the world.



**Azo-Core™**  
thermal barrier

## Processing: How it works

### Azo-Core™ thermal barrier

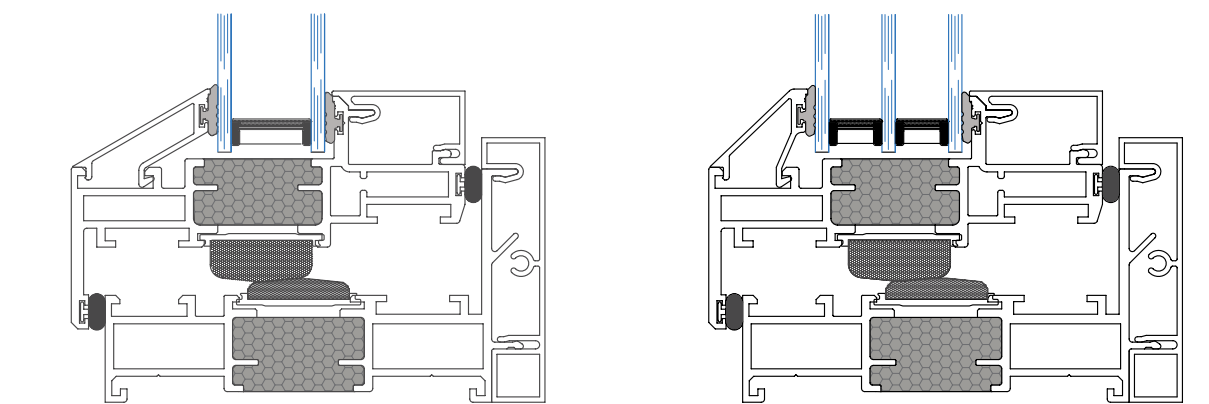
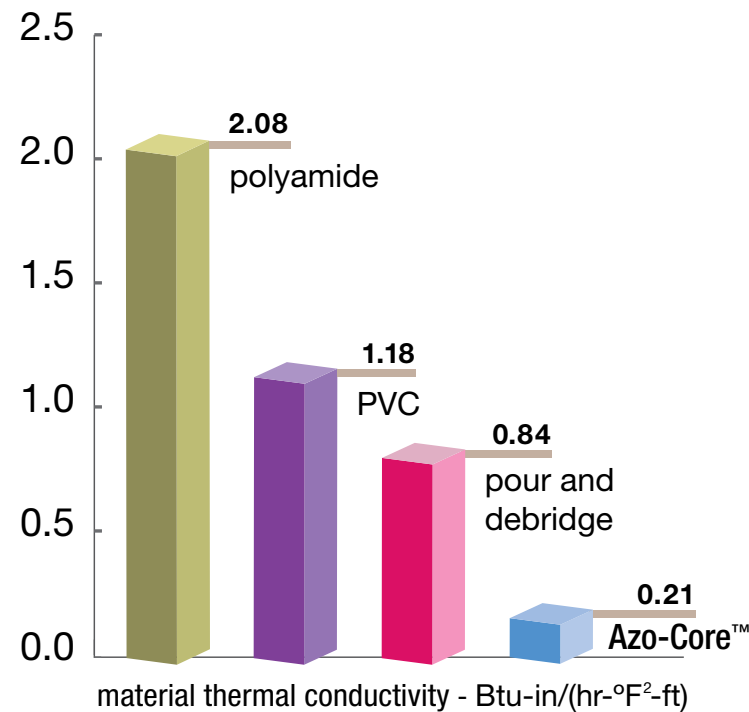


\* MLP™ (mechanical lock profile)

Azo-Core™ energy efficient design with mechanical locks: Participants in the Approved Azo-Brader™ Applicator and Lancer™ programs qualify for the Azon 10-year warranty against failure of the thermal barrier core due to dry shrinkage and fracturing.

## Thermal properties

Lower thermal conductivity promotes lower U-factors



**A** Azo-Core™ insulating glass

| Glass - 1 inch, double insulating     | U cog | U-factor |
|---------------------------------------|-------|----------|
| low E / argon / clear / argon / low E | 0.20  | 0.25     |

**B** Azo-Core™ triple glazing

| Glass - 1-3/4 inch, triple insulating | U cog | U-factor |
|---------------------------------------|-------|----------|
| low E / argon / clear / argon / low E | 0.12  | 0.20     |

# Azon thermal barrier technology

Intelligent technology for fenestration systems  
that require superior thermal and structural performance



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**AZO/Tec®**

Interdisciplinary team of designers, simulation services and testing

**ISO  
9001**