

WORLDWIDE OPERATIONS

Azon USA, Inc.
2204 Ravine Rd.
Kalamazoo, MI 49004
USA
269.385.5942
800.788.5942
azonintl.com

Azon UK Ltd.
Block C – Unit C14-15
Duffryn Park, 1 Alder Ave.
Dyffryn Business Park
Ystrad Mynach
CF82 7TW
UK
P: +44 (0) 1443 814657

Azon Asia Inc.
El-Space
19 Samseong 122 St.
Gangnam, Seoul 06085
Korea
P: +82 (0) 2 3449 2200
F: +82 (0) 2 3449 2229



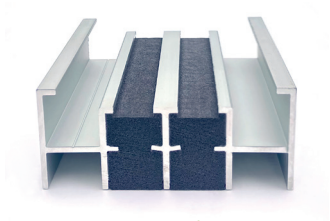
Project: Aquatic V, Berkeley, CA
Product: Quaker C-Series Windows

Photo by Greystar™

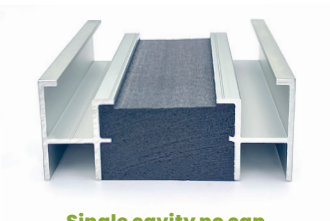
AzoCore – Thermal Barrier

AzoCore is a rigid, closed-cell polyurethane foam designed for poured in place insulating applications for windows, doors, and dampers. As the thermal barrier material with the lowest conductivity, AzoCore delivers unrivaled U-factors and enables aluminum fenestration systems to meet stringent global energy standards including Energy Star, Passive House, and International Energy Conservation Code (IECC).

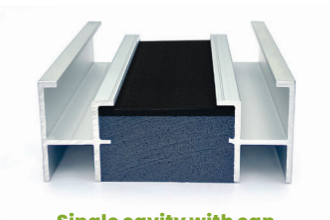
AzoCore contains no chlorofluorocarbons (CFCs), no hydrochlorofluorocarbons (HCFCs), or other ozone depleting substances (ODS).



Dual cavity

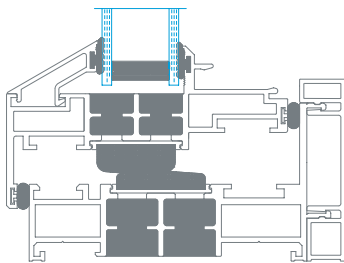


Single cavity no cap



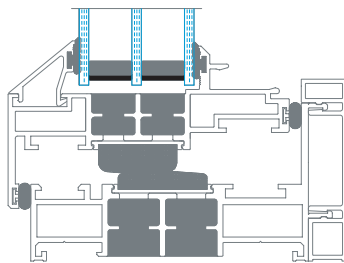
Single cavity with cap

Lower thermal conductivity for unrivaled U-factors



A AzoCore™ double glazing

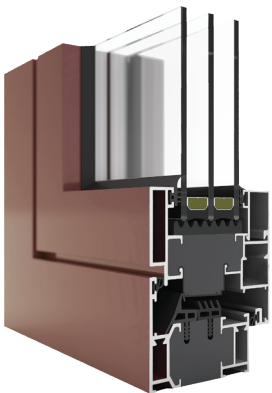
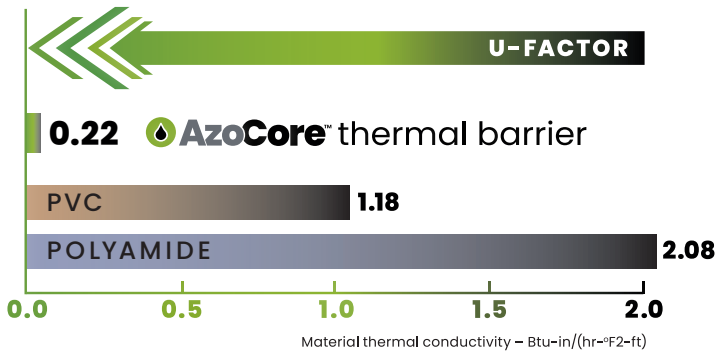
Glass – 1 inch, double insulating	U-cog	U-factor
Low E / argon / clear	0.24	0.26



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

Ultimate Thermal Performance



Processing – How AzoCore is Applied

MLP™ (mechanical lock profile)

Pour

Mill

Debridge

1 Create a mechanical lock
Tabs are created in the extrusion that help to hold the material in place and prevent shrinkage and cracking.

2 Pour
AzoCore is mixed and dispensed into the extrusion.

3 Debridge and Mill
A metal bridge is removed from the bottom of the thermal barrier pocket, creating the thermal break. The domed AzoCore material on top is milled flush.

AzoCore is compatible with the Azon Pour and Debridge line of machinery with the addition of a chemical tank.