



Deep Renovation Joint Workshop  
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## EENSULATE Vacuum Insulated Glass

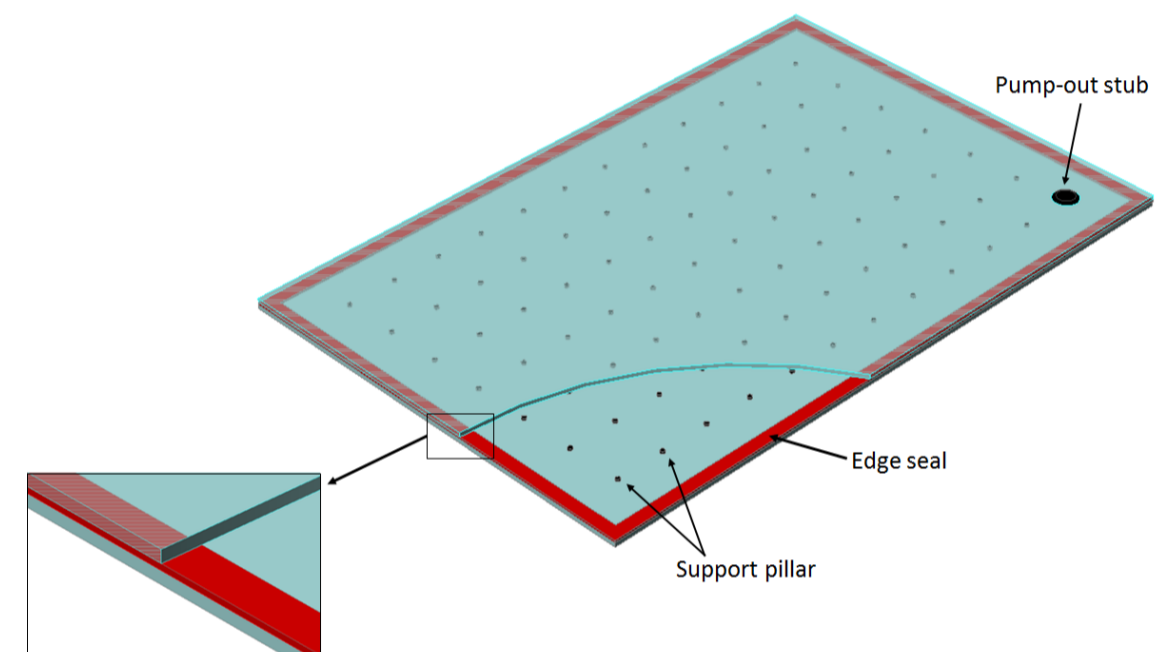
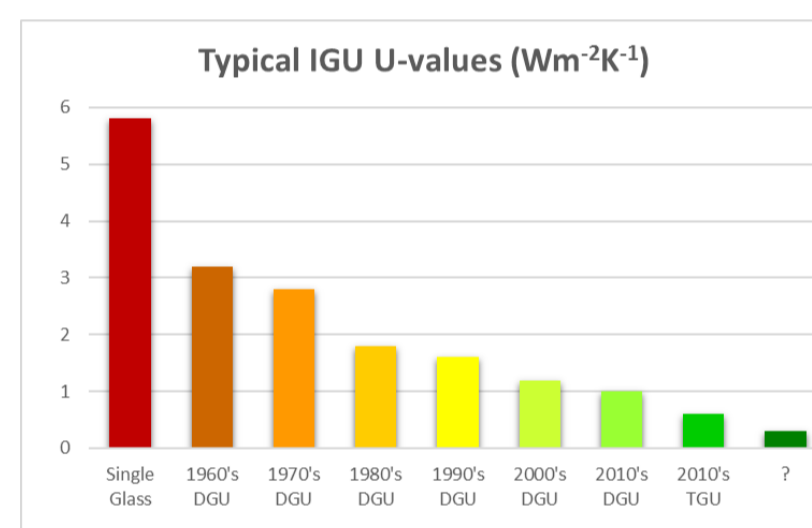
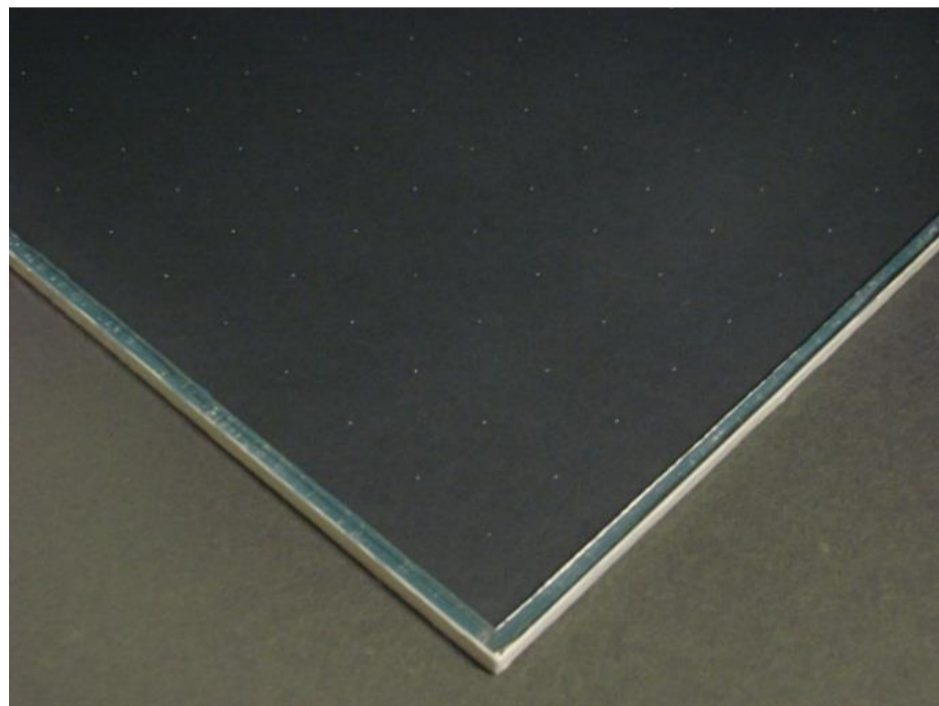
Narrow vacuum cavity (0.25mm) provides superior thermal insulation compared to traditional IGU's

Array of micro spacers maintains separation of glass panes under atmospheric loading

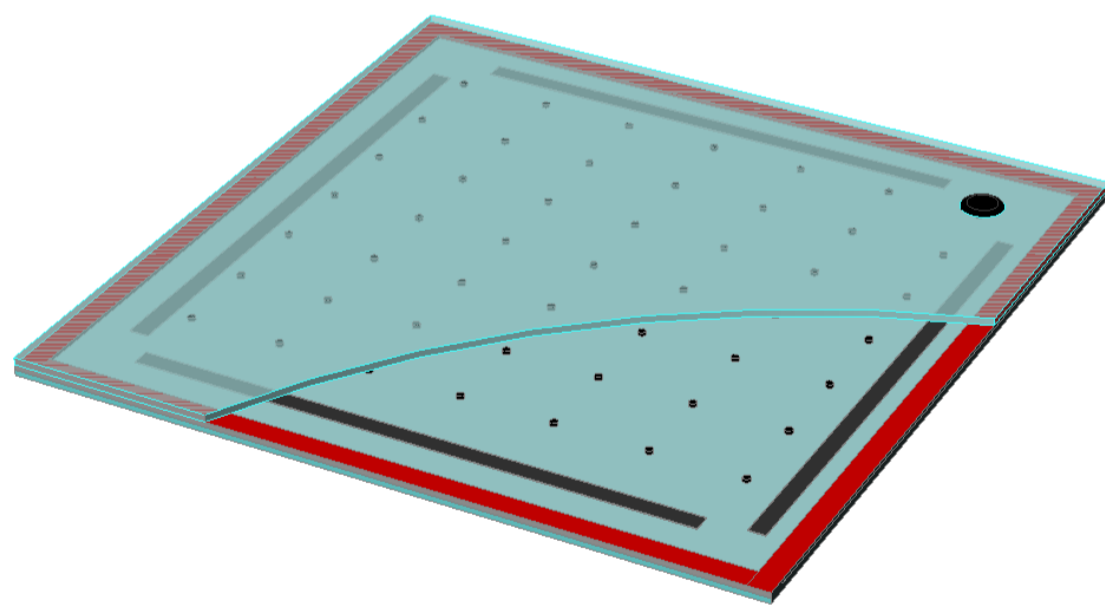
Hermetic edge seal required to provide gas tight barrier over lifetime of glazing

Getter prolongs vacuum and enhances service life of glazing

Reduced thickness increases the potential range of applications (Historic Buildings)



## INNOVATION & ADVANTAGES



Innovative low temperature edge seal using flexible polymeric adhesives

Distributed getter technology reduces pressure gradients and accommodates permeation through edge seal

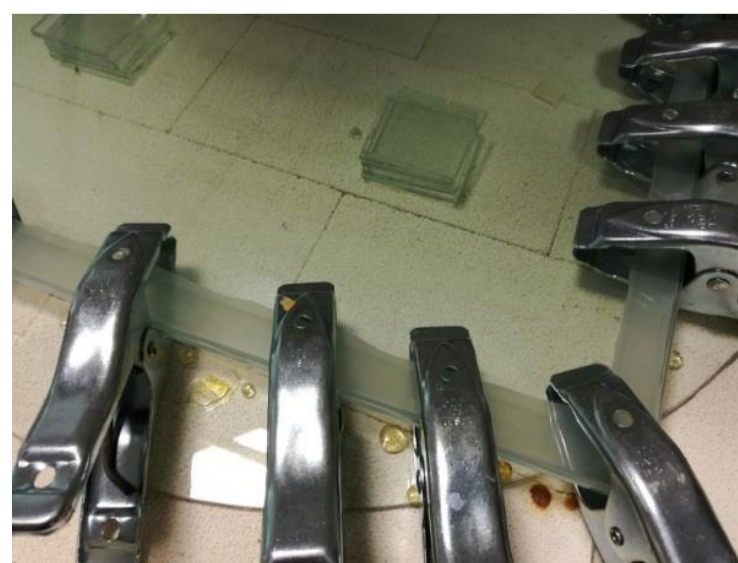
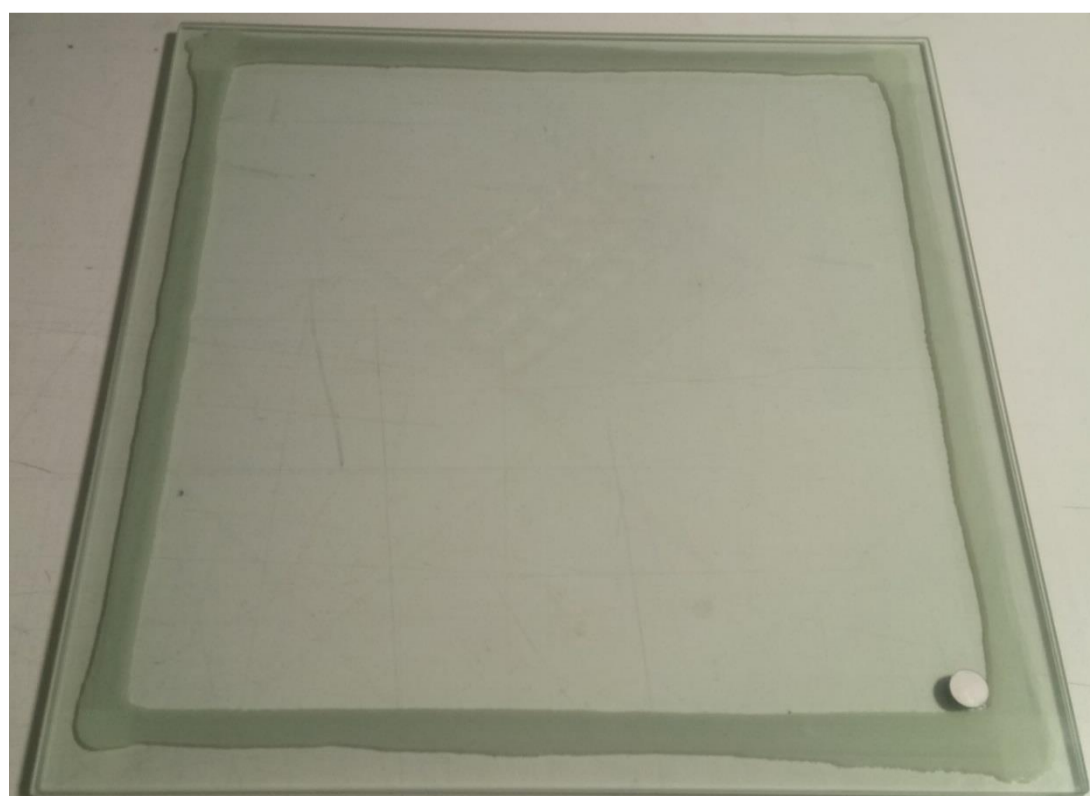
Fabricated using Toughened glass:

Compliance with Building Regulations for safety in buildings

Enhanced mechanical stability under load

Increased pillar separation, improves thermal performance

Novel multifunctional thermotunable coating for dynamic solar gain control with anti-fogging and self-cleaning properties



## Acknowledgments

