



Quattro Shield™

ADVANCED NANOTHERMAL INSULATING MEMBRANE

Better performance
from your **existing**
glazing

Keep Buildings **Cool** In Summer Prevent **Heat Loss** In Winter

Quattro Shield is a high-performance insulating window membrane, applied to the inside of existing glass. It reflects summer heat, retains winter warmth and helps create more comfortable, energy-efficient buildings — without replacing your glass.



LOWER
ENERGY BILLS



REDUCE
CARBON



IMPROVE
COMFORT

What Quattro Shield Does



Reduces radiant heat transfer

Upgrades single, double and even triple glazing by reflecting summer heat and lowering internal heat loss in winter.



Improves thermal performance

Helps maintain a more stable indoor temperature, reducing the need for heating and cooling.



Maintains clear views

Only a 12% reduction in daylight, while preserving a natural, neutral view. Once applied, it's barely noticeable.



Enhances comfort

Reduces glare, cuts temperature fluctuations and creates a more comfortable environment for everyone.



*Professional application by trained installers
using a wet application process.*



A smarter choice for comfort, efficiency and the planet.

Quattro Shield combines sustainability with performance. Made from recyclable PET and PMMA, it lasts over 10 years indoors while avoiding the embodied carbon of new glazing. By cutting energy demand, it delivers reliable CO₂ savings per square metre every year.





Measured Performance



Infra Red Resistance

95%

Reduces indoor greenhouse effect.



Ultra Violet Resistance

99%

Prevents damage to fixtures and fittings.



Visible Light Transmission (VLT)

88%

~12% daylight reduction; neutral clarity



Energy Savings

20% to 40%

on cooling and heating



U Value Improvement

Up to 68%

Verified improvements vary by glass configuration.



Solar Heat Gain Coefficient (SHGC)

~0.48

Representative test panes; lower SHGC reduces summer gains.



Fire rating

ASTM E84 Class A

Independent safety testing.



Durability (indoors)

10+ Years

Warranted by the manufacturer.
Expected lifespan 20 years.



Installation

- Applied internally to clean glass by trained installers (wet applied).
- No drilling or structural changes required.
- Odour free, water based installation with no need to relocate staff.
- Fast, tidy retrofit.
- No special cleaning materials required.

Suitable for commercial retrofit programmes.



Where it Helps

- ✓ Offices and corporate buildings
- ✓ Schools, colleges and universities
- ✓ Healthcare and medical facilities
- ✓ Retail and leisure centres
- ✓ Public buildings and community spaces
- ✓ Heritage and listed buildings
- ✓ Conservatories, atria and large glass areas
- ✓ South-facing façades and spaces prone to overheating or winter chill



Offices



Schools & Colleges



Healthcare



Public Buildings



Ready to improve your building's performance?



Contact us for a quotation or further information.



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The Energy Savers