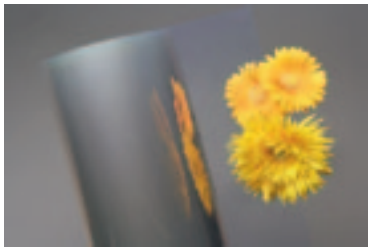
Smart Building / Smart Factory

3M™ Window Films

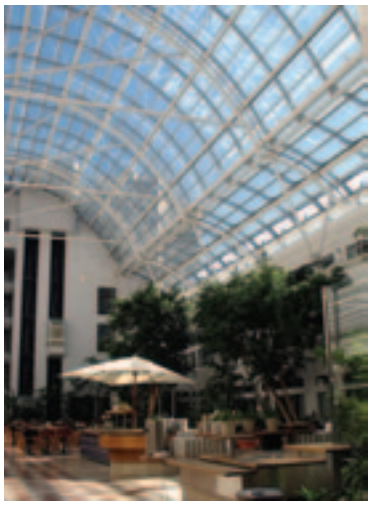
3M Window Films - Manage energy costs & improve occupant comfort



3M is a leading manufacturer of sun control window films. 3M's extensive range includes Prestige, Night Vision and Low-Emissivity films that can help to reduce your energy bills.

3M Sun Control Window Films can be applied to windows in offices, schools, hospitals, Govt. Buildings, homes, in fact, anywhere there are windows, in order to overcome the problems associated with solar heat gain.

Energy costs typically represent 30% of a building's annual budget. Rising energy bills and the introduction of carbon reduction targets, have focused building owners on finding ways to reduce their energy bills. Within commercial and public buildings, these energy costs are often driven by HVAC costs, as it can cost 3 to 4 times more to cool a building by 1 degree Celsius than to heat it.

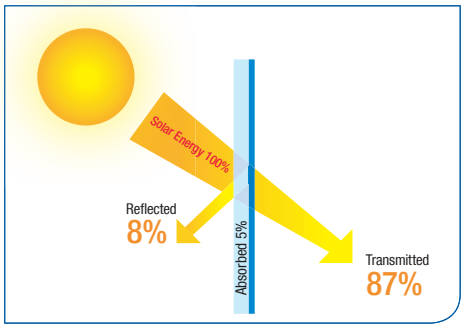


In fact by keeping summer heat out and helping keep some winter heat in, the environment of a building can be more evenly balanced, reducing the workload of cooling and heating systems.

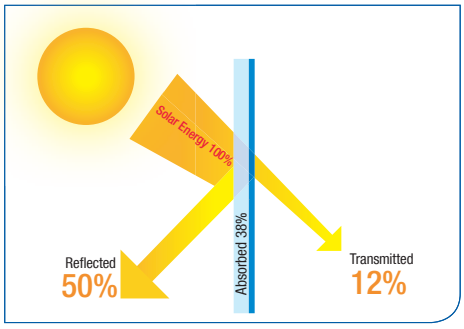
If a building does not have air conditioning, sun control films can take away the need for having it installed, so no need for capital and running costs.

3M Sun Control Films are highly transparent and have a high light transmission, maintaining the natural light within the building.

Unprotected glass



Glass with appropriate window film



3M™ Prestige Series Window Films

3M Prestige Sun Control Films are 3M's premium solar window film range. Their technical advantage stems from the multi-layer and metal-free construction based on nanotechnology. They have the highest level of natural light transmission for the highest level of heat gain reduction.

With Prestige Window Films, you can enjoy the benefits of a world-class window film while leaving the beauty of your windows virtually unchanged, and their reflectivity is lower than glass.

- Clear, non reflective appearance maintains the original look of the building
- Reduce solar heat gain
- Reduce air conditioning costs
- High transparency and light transmission
- Non-corrosive
- 15 year warranty on internal film

3M™ Night Vision Series

3M Night Vision Films have low internal reflectance that enhances viewing, especially at night. Higher external reflectance provides privacy against prying eyes looking in (light condition dependent).

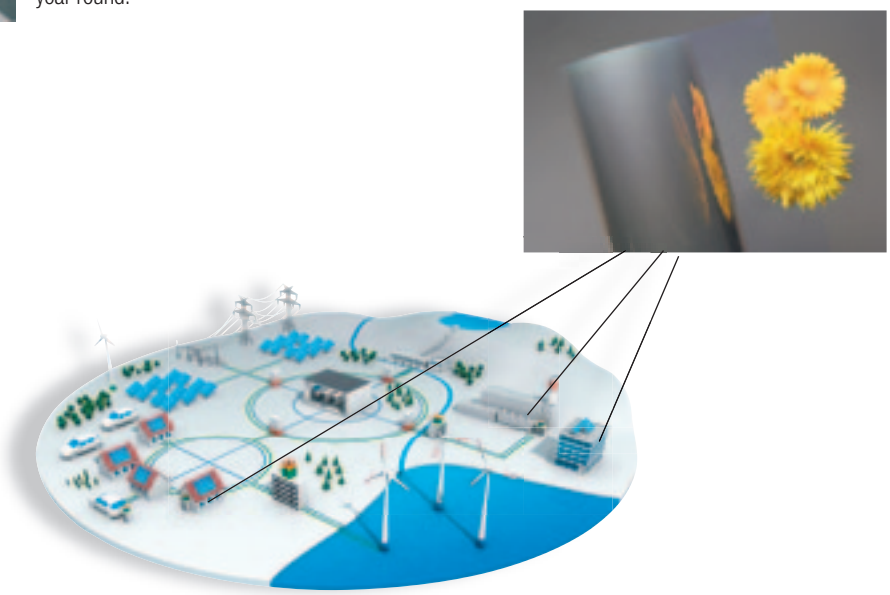
- Low interior and exterior reflectivity, especially at night
- Reduce solar heat gain
- Reduce air conditioning costs

3M™ Amber 35 Low Energy

This sun control and insulating film combines sun protection in summer by reducing heat gain and provides insulation in winter by reducing heat loss.

Offering superior performance and good light transmission, Low Emissivity films can make a substantial contribution to energy cost management all year round.

- Retain heat in cooler months
- Reduce solar heat gain
- Reduce heating cost
- Reduce air conditioning costs
- High transparency and light transmission



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www.3M.com/EU/SmartGrid
SmartGrid@mmm.com

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