

3M Science.
Applied to Life.™



Window Films

Commercial Projects 2011-2019

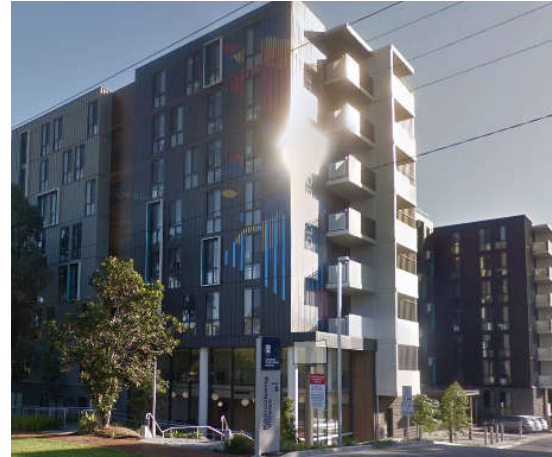
Selected Best practice Solar Film
Installations from around the world

2019

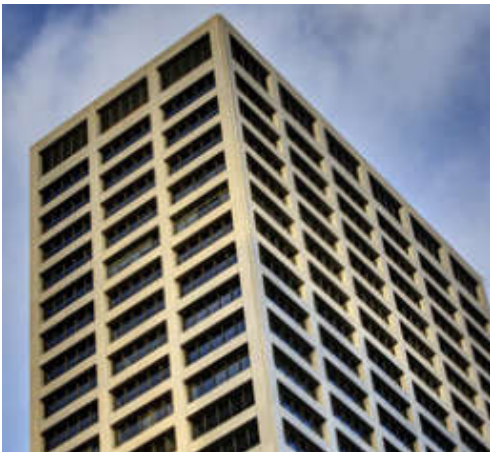
Significant 3M Window Film Projects recently completed



**Project: Swanson Court.
Canberra AUST.**
Completed date: 2018
Application: Full Building,
Solar Control
Installation: Premier Tint
Product: Prestige PR40X
Area: 600 Sq. m.



**Project: University Of
Wollongong AUST.**
Completed date: 2018
Application: Full Building,
Insulation & Solar Control
Installation: Premier Tint
Product: Thinsulate CC75
Area: 1,000 Sq. m.



**Project: 367 Collins St.
Melbourne, AUST.**
Completed date: 2018
Application: 15+ Full Floors,
Solar Control
Product: Prestige PR70
Area: 4,000+ Sq. m.



**Project: Rhodes Waterside,
Sydney, AUST.**
Completed date: 2018
Application: External Glass
Awning, Western Façade.
Installation: Premier Tint
Product: Prestige PR40X
Area: 400 Sq. m.



Project: Changi Airport Group
Completed date: 2017
Application: Gangways and VIP
Link Way at Terminal 2
Product: Prestige PR70
Area: 750 Sq. m



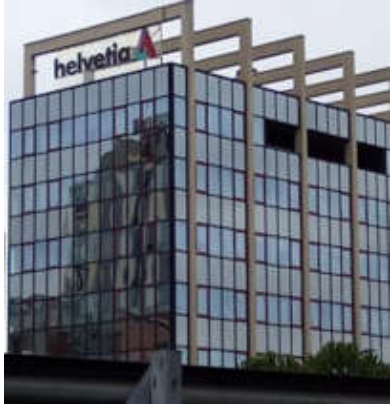
Project: Apple South Asia Pte Ltd
Completed date: 2017
Application: Façade Windows
Product: Prestige PR40
Area: 2000 Sq. m



Project: GIC at Capital Tower
(14 floors) Singapore
Completed date: 2017
Application: Windows
Product: Prestige PR70
Area: 4,400 Sq. m.



Project: Marina Bay Sands, Singapore
Completed date: 2017
Application: Lobby Entrance Canopy,
SkyPark Restaurants, CEO Office, VIP
Lobby, Vertical Skylight (2018)
Product: PR40XL - 1,000 Sq. m,
PR40 - 2,500 Sq. m (2018)



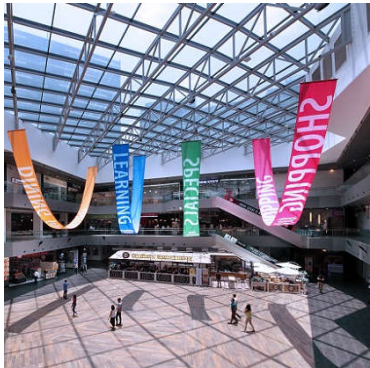
Project: Helvetia Insurance, Italy

Reduce strong solar radiation.
Product: Prestige PR70X,
Reason: No change to building aesthetics. No need for installation to the North face.
Area: 800 Sq. m.



Project: Tramsheds Sydney, Australia

Reduce strong solar radiation.
Product: Prestige PR40X,
Reason: High VLT to Solar Heat Gain Ratio. No change to building aesthetics.
Area: 400 Sq. m. Stage 1 (total expected 4,000 Sq. m)



Project: Aperia Mall – Singapore

Completed date: 2017
Application: Skylight
Product: 3M Prestige PR40
Area: 850 Sq. m



Project: Atlanta Airport - USA

Airport terminal
Product: Prestige PR40X
Reason: Thermal comfort of passengers.
Area: 300 Sq. m



Project: Kista Science Tower Stockholm, Sweden

Issue: Tenant Comfort (Too Hot in summer!)

Product: Prestige PR40X selected for uniform Aesthetics

Area: 4,000 Sq. m (NE Façade)

Consultant determined Film as most effective solution – Spec; PR40/70 Ext.)



L'Oreal France

Issue: Heat reduction

Product: Prestige PR40X & PR70X

Area: 1,600 Sq. m



Project: Budapest Bank project - Hungary

Issue: Heat Reduction & Energy Savings

Product: Prestige PR70X

Area: 6,000 Sq. m

Prove of benefit to customer with pilot installation & measuring results:

2,11 kWh/m² (43%) Solar reduction

10° temp. reduction with 3M film.



Santos Dumont Airport, Rio de Janeiro, Brazil

Product: Prestige PR40 - Int. & Ext.

Area: 1,900 Sq. m

Issue: Heat load. Airport's HVAC not able to maintain comfortable environment.

Customer need: Heat reduction, without reflection. No changes to aesthetics or views.



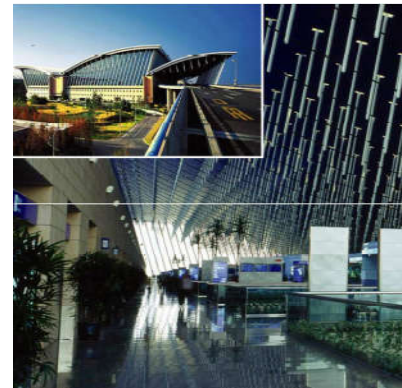
**Myzeil Shopping Centre,
Frankfurt, Germany**
Issue: Heat reduction
Product: Prestige PR40X - No
metals!
Area: 2,200 Sq. m



Changi Airport, Singapore
Product: Prestige PR70
Area: 3,500 Sq. m
Customer concern: Thermal
comfort of boarding passengers at
the gangways.



Dubai Municipality, UAE
Product: Prestige PR40X
Area; 2,000 Sq. m
4 Buildings with 5th awarded to
3M with no tender.



Project: Shanghai Pudong Intl. Airport
Issue: Passenger Comfort (Too Hot in
boarding area!)
Product: Prestige PR70 - For uniform
Aesthetics
Area: 4,000 Sq. m (NE Façade)
Consultant determined Film as most
effective solution – Spec; PR40/70 Ext.)



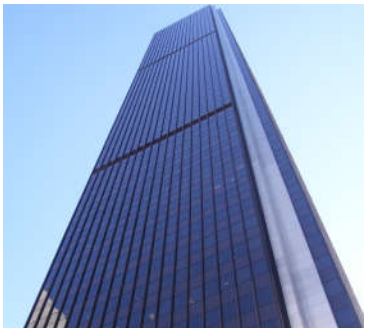
Project: Rock & Roll Hall of Fame, Ohio, USA

Issue: Heat & UV Protection
Product: Prestige PR40X
Area: 5,100 Sq. m



Project: Fifth Third Bank, Cincinnati USA

Issue: Heat & Energy Efficiency
Product: Neutral 20
Area: 15,100 Sq. m



Project: AON Center, L.A, USA

Issue: Energy Efficiency & Aesthetics
Product: Night Vision NV25
Area: 16,800 Sq. m

Project:

Issue: Heat & UV Protection
Product: Prestige PR40X
Area: 15,100 Sq. m