



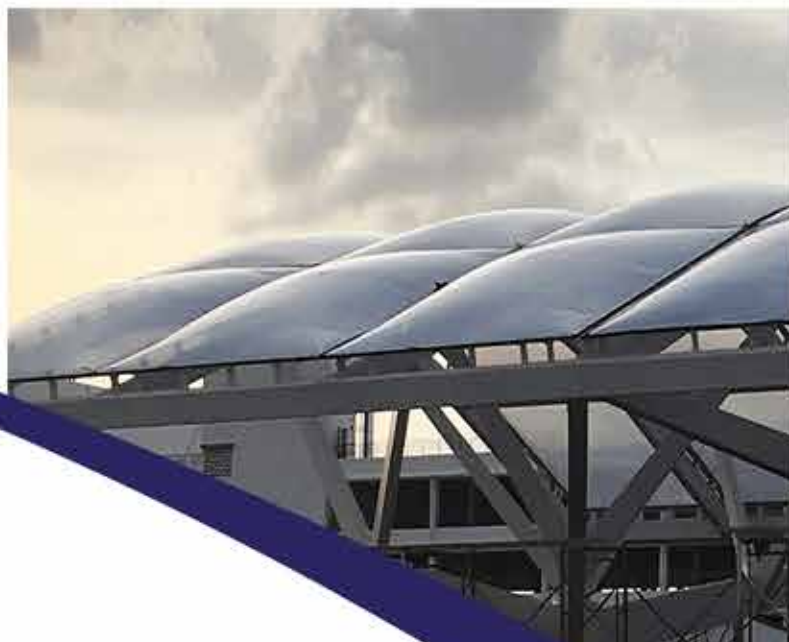
ADAS® ETFE Skylight is a high quality integrated system using ETFE (Ethylene Tetrafluoroethylene) film which is a highly transparent, strong and durable lightweight material that has a similar function to architectural glazing - a perfect alternative to replace heavy glass roofs and facades.

A fascinating a colour-changing facade can be made possible by integrating a lighting system that visually enhances the building exterior during nighttime. ETFE has been used to build many iconic structures and famous landmarks all over the world. The system keeps evolving to provide endless possibilities and constantly goes beyond known limits.

ADAS

ETFE

Skylight



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- Design and build Archi-Engineering firm.
- Over 35 years experience with over 700 projects.
- Lightweight long span structure specialist.
- Low risk with tested & proven design details.
- Low Maintenance with non-stick roof surface
- High level of Prefabrication:
 - Fast Erection on Site
 - Precise Fabrication
 - Good Quality Control



M3 Main Boulevard

CLIENT

Sunway Iskandar

ARCHITECT

Alam Architects & Planner Sdn. Bhd.

AREA

2,800 m²

MATERIAL INSTALLED

ETFE Single Layer & Double Layer

LOCATION

Johor Bahru, Malaysia

CONSTRUCTION YEAR

2018

FEATURES OF ETFE



Extremely Lightweight



Excellent Light Transmission



Free-Form Expression



Colour or with Prints



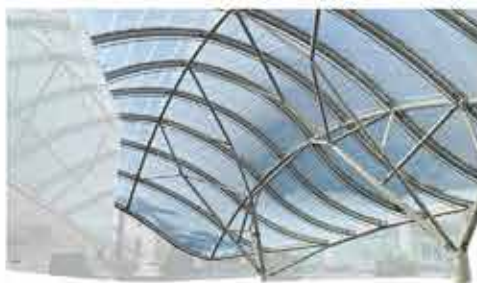
Fritted Patterns



Matte or Transparent

TYPES OF ETFE SYSTEMS

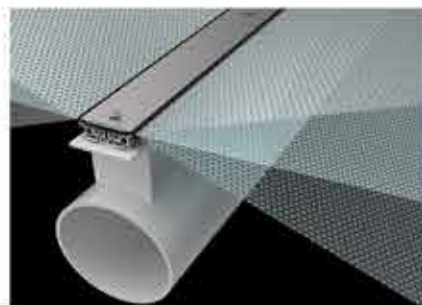
1. Single Layer System



2. Double Layer System (Cushion)

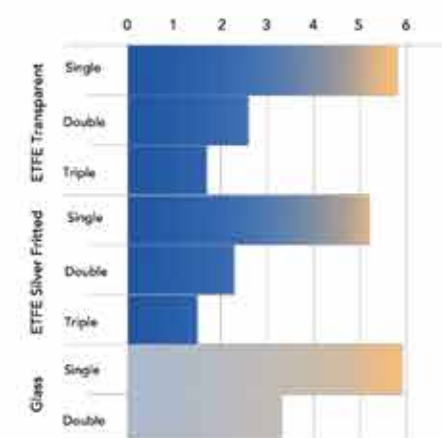


3. Triple Layer System (Cushion)



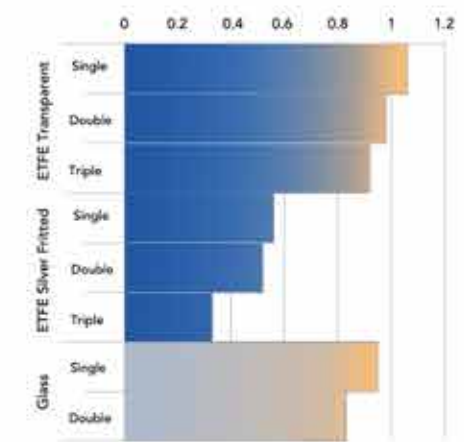
THERMAL PROPERTIES: ETFE vs GLASS

Typical U-Values (W/m²K)



- ETFE can achieve an efficacy equivalent to glass. Better insulation performance can be achieved when ETFE is used in multiple layers.

Typical Solar Shading Coefficients



- With double or more layers, ETFE cushions provide better shading coefficient to reduce solar heat gained, which results in significantly higher energy savings.