

ETFE SYSTEM

ETFE film is already used in a variety of ways in contemporary architecture, because with the high-transparent, robust and durable building material light-flooded and sustainable building designs can be realized.

Contact Us



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ETFE FOIL

One of the foil materials employed most frequently in the building industry for loadbearing enclosing components is the copolymer ETFE.

Modern and Sustainable Design with ETFE Film

- ✓ Light & UV permeable
- ✓ Durable & Resilient
- ✓ 100% Recyclable
- ✓ Low weight
- ✓ Sustainable
- ✓ Flame Retardant
- ✓ Self-cleaning



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Long-term stability: Very good UV resistance

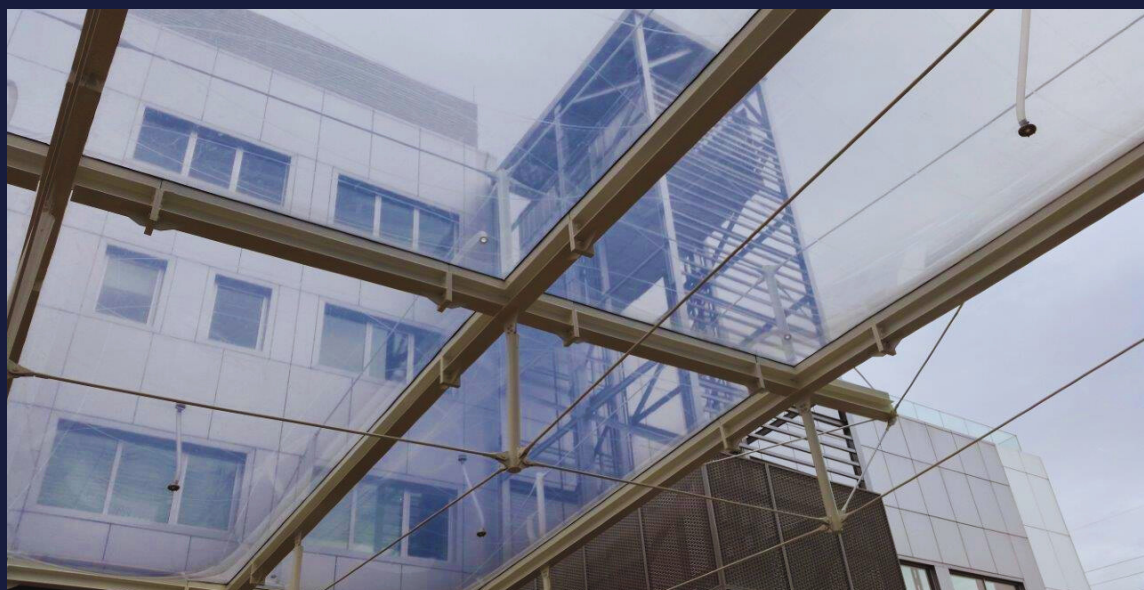
Reaction to fire: Not readily flammable

Variations available: Transparent, dyed white, various colours, printing possible

Standard thicknesses [μm]: 12 – 300

Tensile strength [N/mm^2] (DIN EN ISO 527-1): 40 or measured according to DIN 53354 approx. 400 N/50 mm

Light transmittance [%]: > 90



Typical applications	Architecture
Density [g/cm^3] (DIN 55 479)	1.75
Standard thicknesses [μm]	12–300
Tensile Strength [N/mm^2] (DIN EN ISO 527-1)	40 or measured according to DIN 53354 approx. 400 N/50 mm
Elongation at rupture [% of length] (DIN EN ISO 527-1)	> 300
Tear propagation resistance [N/mm] at 23 °C longitudinal/transverse (DIN 55 363)	> 300 / >300
Elastic modulus [N/mm^2] (DIN 53 457)	800–1000 N
Formability	High
Long-term stability	Very good UV resistance
Service temperature range [°C]	–200 bis +150
Reaction to fire	Not readily flammable
Light transmittance [%]	> 90
Variations available	Transparent, dyed white, various colours, printing possible

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BENEFITS OF ETFE

MODERN AND SUSTAINABLE DESIGN WITH ETFE FILM

1.

**LIGHT & UV
PERMEABLE**

2.

**DURABLE &
RESILIENT**

3.

**100%
RECYCLABLE**

4.

LOW WEIGHT

4.

SUSTAINABLE

5.

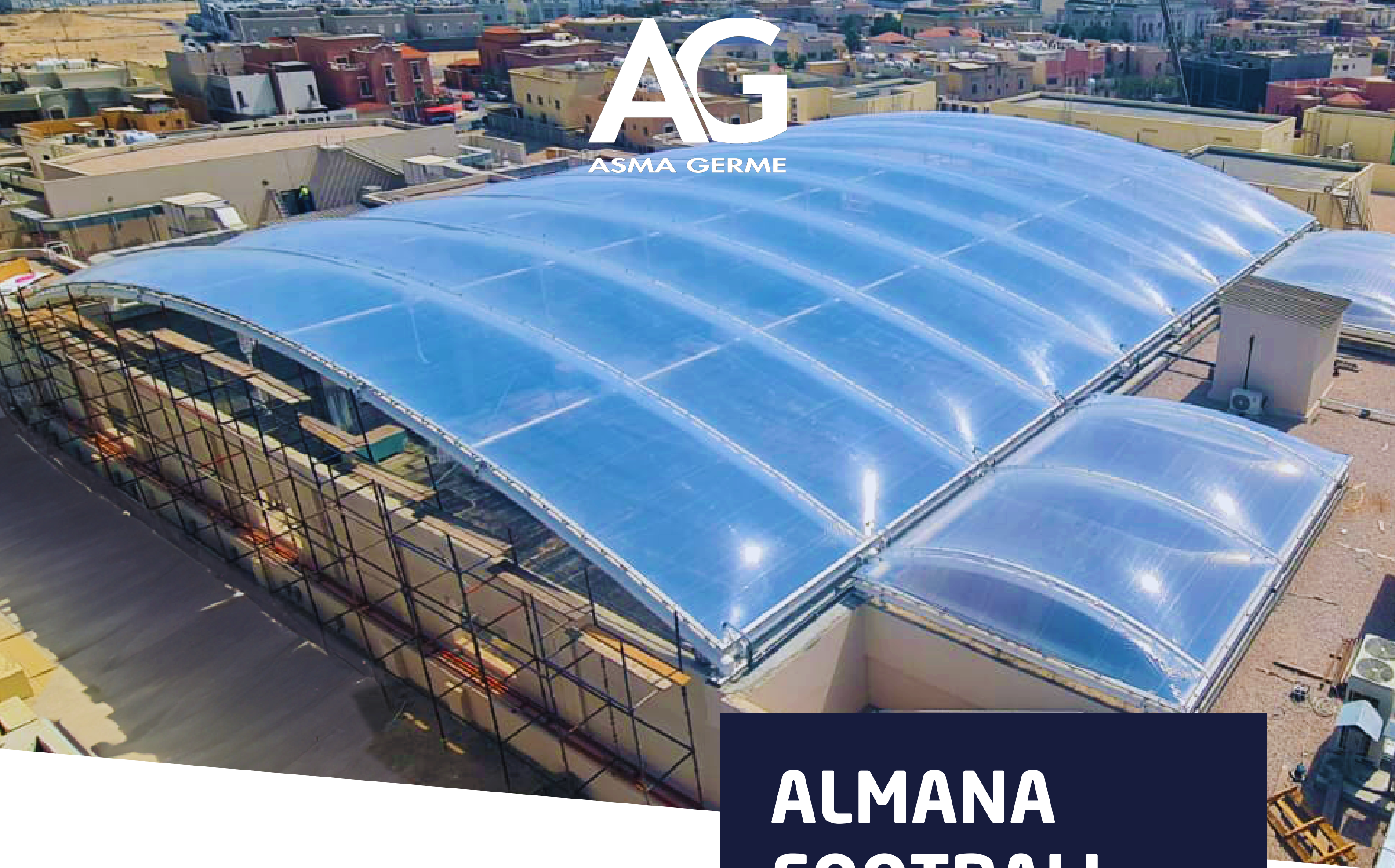
FLAME RETARDANT

6.

**SELF-
CLEANING**

**HIGH-TRANSPARENT, ROBUST AND
DURABLE BUILDING MATERIAL**

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ALMANA FOOTBALL SCHOOL

Year of Construction: 2023

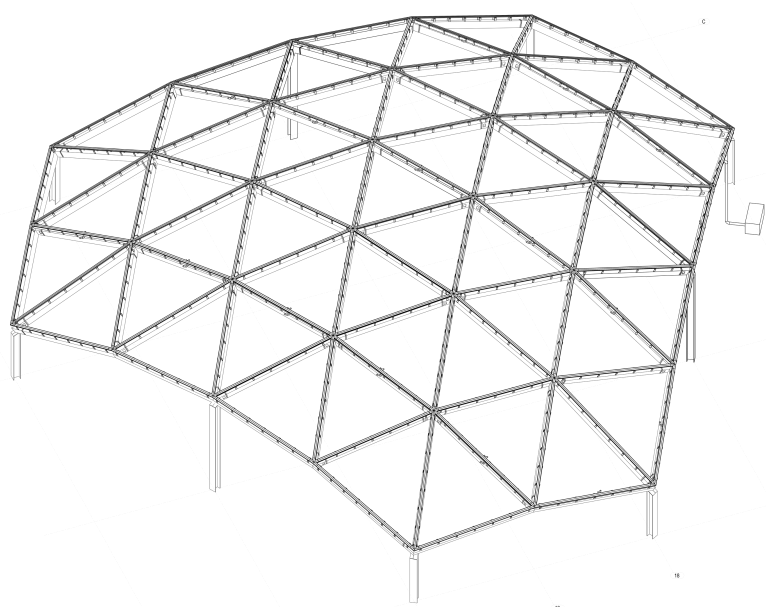
Size: 1600 m²

Material: ETFE Foil

Location: Dammam/KSA



The Etfe System Project for the roof of Kuwait Credit & Saving Bank consists of triangular patterns and consists of a two-layered etfe system. Plain etfe was used on the bottom layer of the project, and printed etfe was used on the top layer.



KUWAIT CREDIT & SAVING BANK

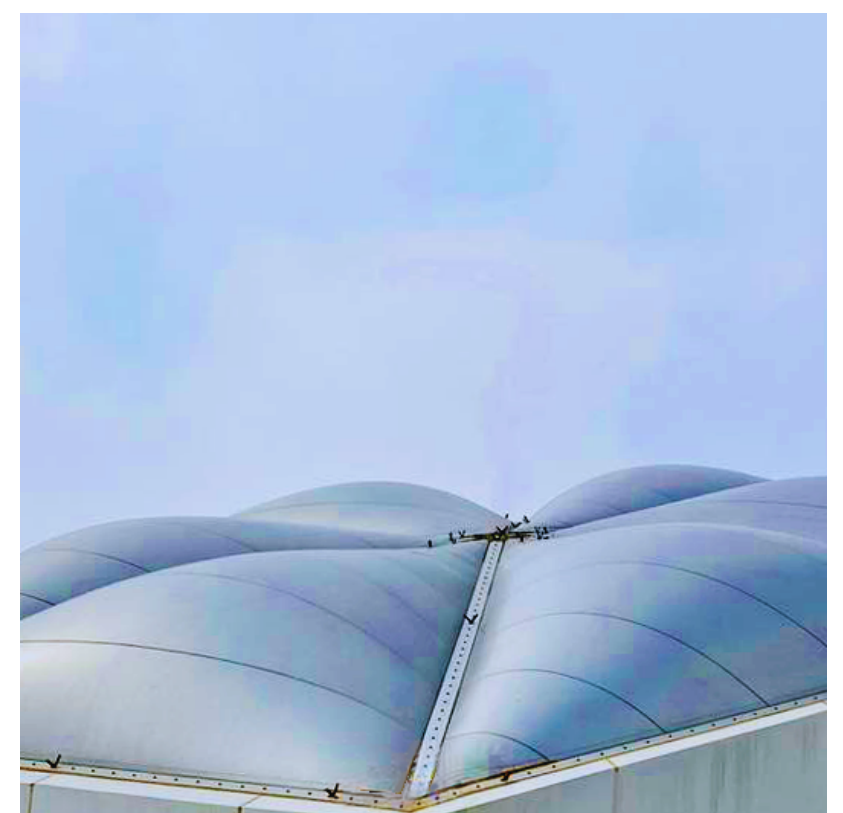
Year of Construction: 2020

Size: 1250 m²

Material: ETFE Foil

Location: Kuwait

City/KUWAIT



NEW AL SABAH HOSPITAL

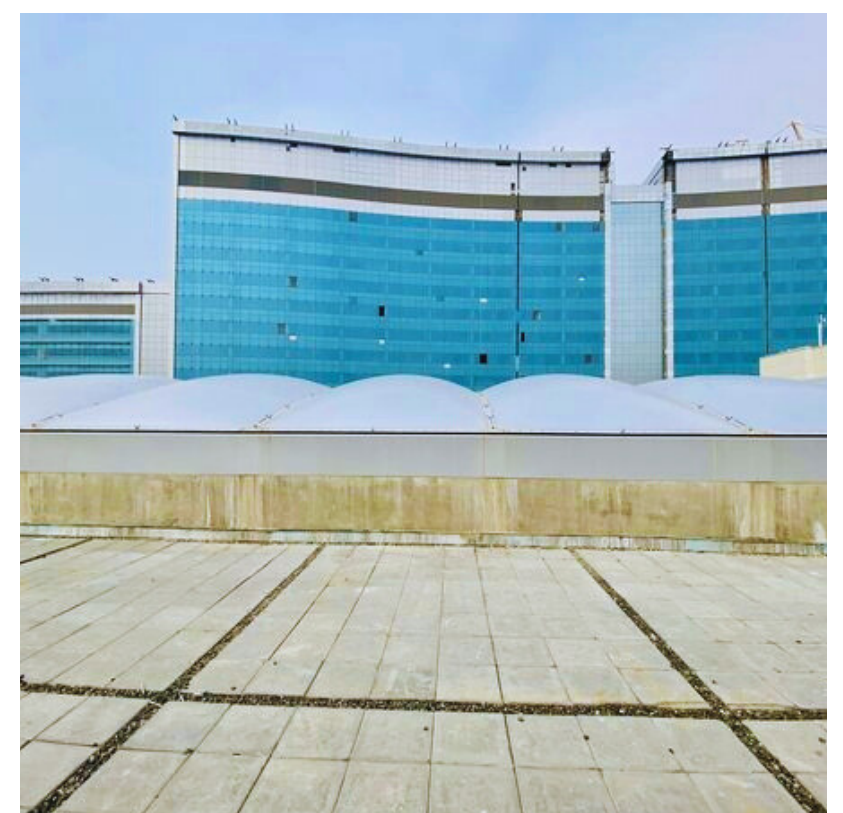
Year of Construction: 2020

Size: 1000 m²

Material: ETFE Foil

Location: Kuwait

City/KUWAIT



COURTYARD ETFE ROOF

Year of Construction: 2013

Size: 550 m²

Material: ETFE Foil

Location: Istanbul/TURKIYE

