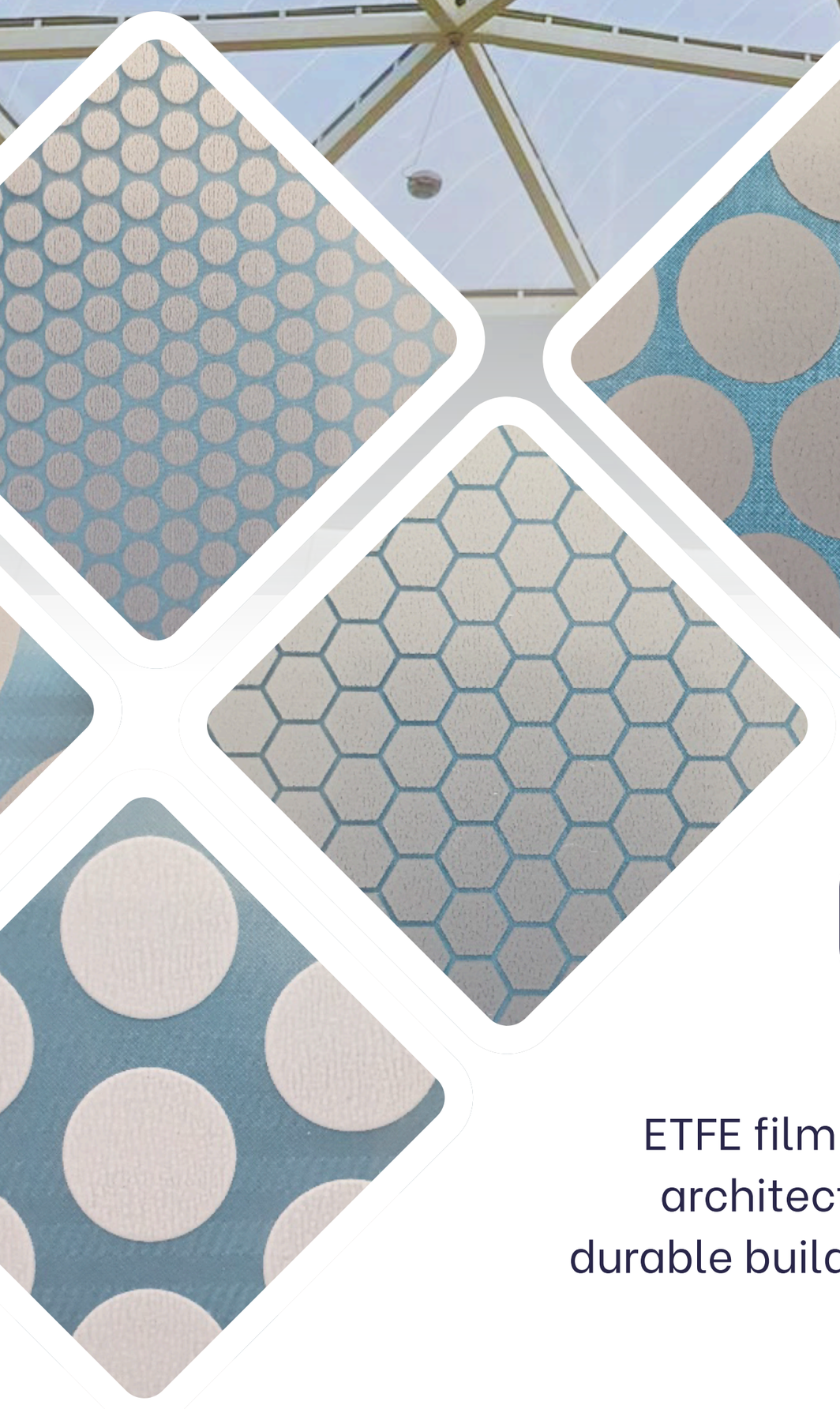
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# ETFE SYSTEM

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.


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# ETFE FOIL

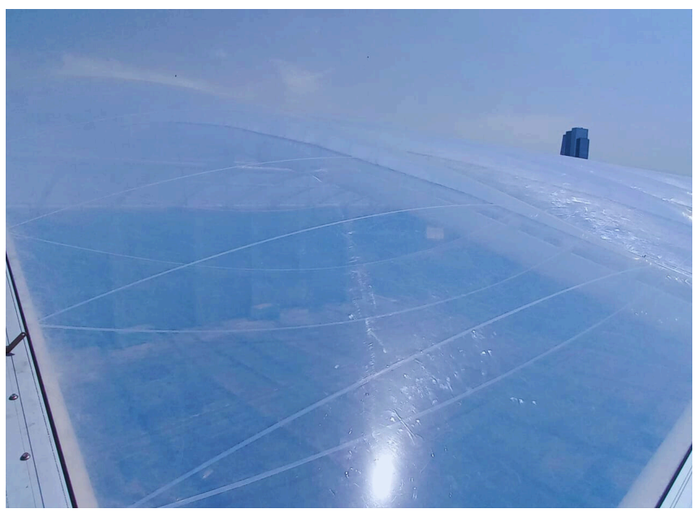
One of the foil materials employed most frequently in the building industry for loadbearing enclosing components is the copolymer ETFE.



## 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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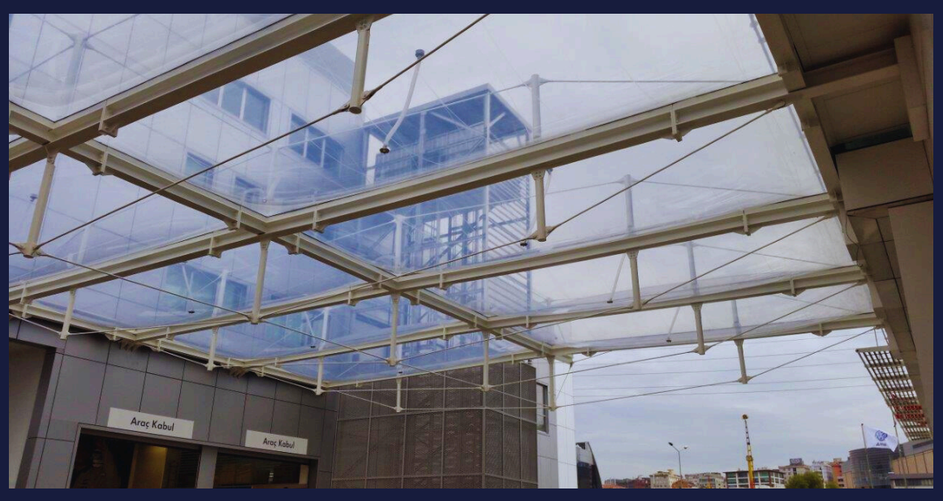
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**Long-term stability:** Very good UV resistance
**Reaction to fire:** Not readily flammable
**Variations available:** Transparent, dyed white, various colours, printing possible
**Standard thicknesses [µm]:** 12 – 300
**Tensile strength [N/mm²] (DIN EN ISO 527-1):** 40 or measured according to DIN 53354 approx. 400 N/50 mm
**Light transmittance [%]:** > 90






| Typical applications | Architecture |
|---|---|
| Density [g/cm3] (DIN 55 479) | 1.75 |
| Standard thicknesses [µm] | 12-300 |
| Tensile Strength [N/mm²] (DIN EN ISO 527-1) | 40 or measured according to DIN 53354 approx. 400 N/50 mm |
| Elongation at rupture [% of lenght] (DIN EN ISO 527-1) | > 300 |
| Tear propagation resistance [N/mm] at 23 ˚C longitudinal/transverse (DIN 55 363) | > 300 />300 |
| Elastic modulus [N/mm²] (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. **LİGHT & UV PERMEABLE**
2. **DURABLE & RESILIENT**
3. **100% RECYCLABLE**
4. **LOW WEIGHT**
4. **SUSTAINABLE**
5. **FLAME RETARDANT**
6. **SELF-CLEANING**

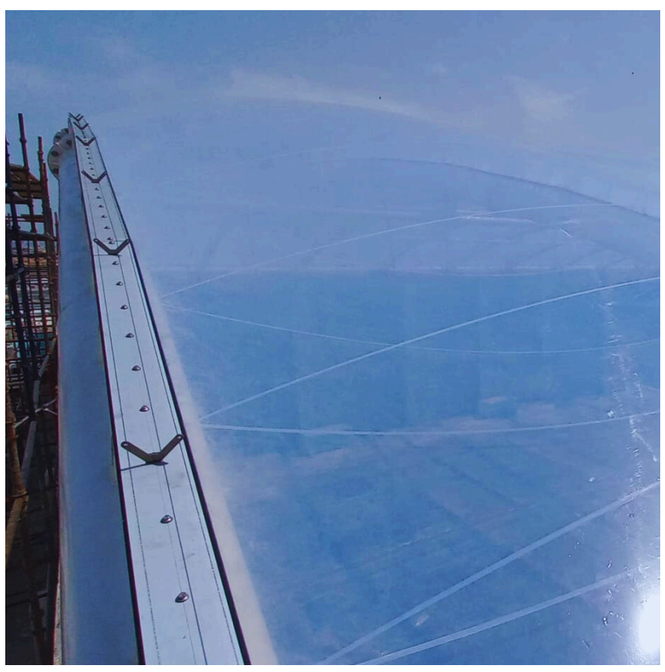
## HIGH-TRANSPARENT, ROBUST AND DURABLE BUILDING MATERIAL

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# ALMANA FOOTBALL SCHOOL

Year of Construction: 2023
Size: 1600 m²
Material: ETFE Foil
Location: Dammam/KSA







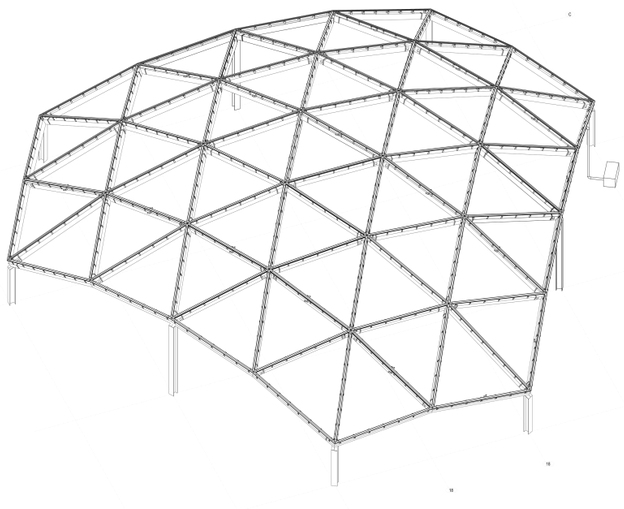
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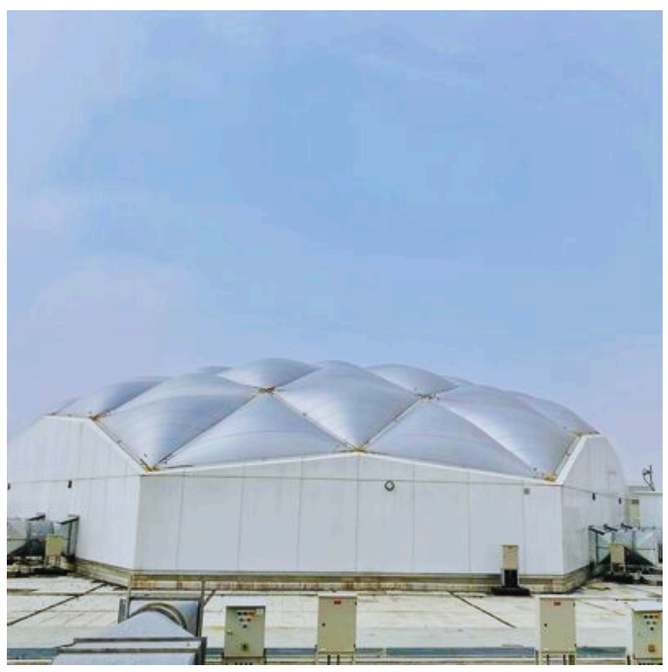
# KUWAIT CREDIT & SAVING BANK

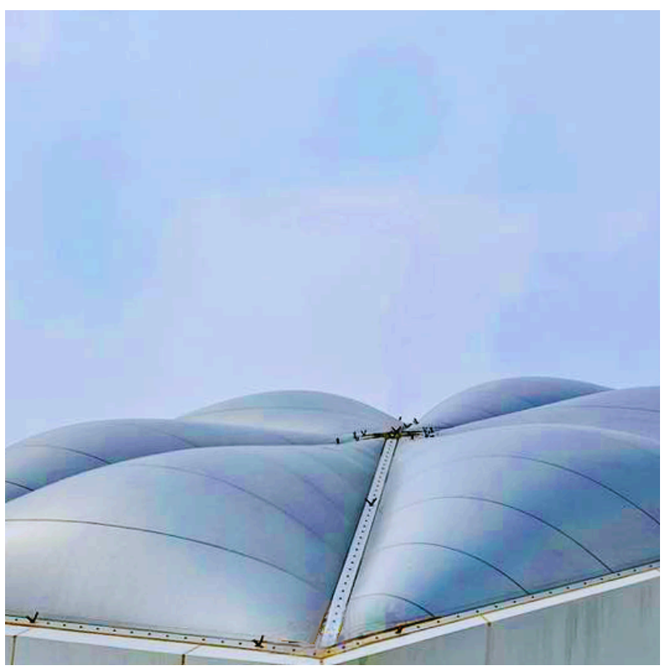
The Etfe System Project for the roof of Kuwait Credit & Saving Bank consists of triangular patterns and consists of a two-layered etfe system. Plain etfe was used on the bottom layer of the project, and printed etfe was used on the top layer.



Year of Construction: 2020
Size: 1250 m²
Material: ETFE Foil
Location: Kuwait City/KUWAIT







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# NEW AL SABAH HOSPITAL

Year of Construction: 2020
Size: 1000 m²
Material: ETFE Foil
Location: Kuwait
City/KUWAIT







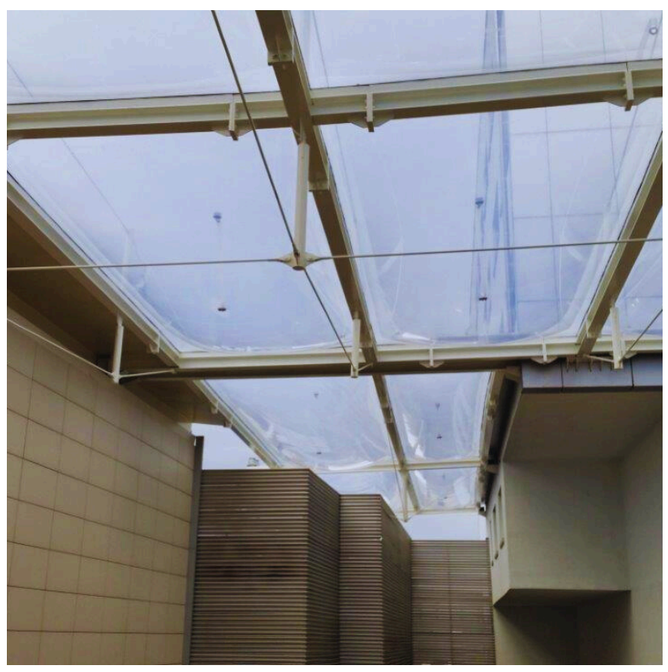
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# COURTYARD ETFE ROOF

Year of Construction: 2013
Size: 550 m²
Material: ETFE Foil
Location: Istanbul/TURKIYE








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