



**FOAMGLAS®**  
tapered roof  
for all flat roofs  
and terraces

## Arzanah Medical Complex, Abu Dhabi

**Client** Mubadala Development Company

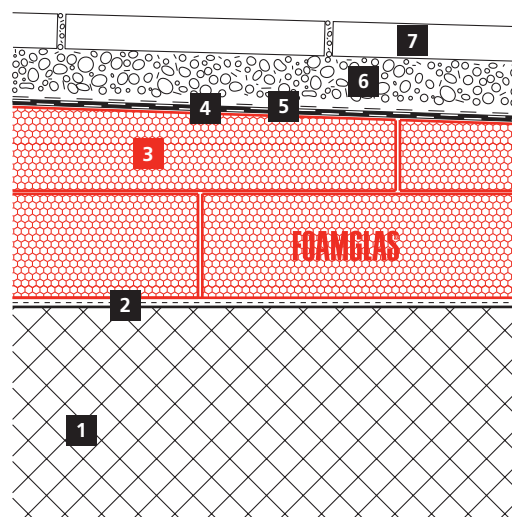
**Consultant** HDP Overseas Limited, HDR

**Location** Abu Dhabi, UAE

**Year build** 2011

Just a few yards from the national soccer stadium, the Arzanah Sports Medical Center is prominently located within a new mixed-use community in Abu Dhabi, UAE. The project set out to design a sustainable building which responded to this very public site while balancing the need for a calming, healing environment and a facility organized to provide an integrated multi-disciplinary healthcare facility to serve the community and region. The new LEED Gold designed, 78-bed medical centre will form part of the US\$6 billion Arzanah development near Zayed Stadium on Abu Dhabi Island. As thermal insulation the consultant came to the decision to use FOAMGLAS® cellular glass insulation for roof and some wall application. FOAMGLAS® is produced by Pittsburgh Corning and free of any harmful blowing agent. It's well known for the extreme long durability and the highest resistance to any kind of moisture. Due to the 60% recycling glass content and use of only renewable energy in the production FOAMGLAS® gets the

highest credits in all environment ratings and is supporting with LEED and Estidama credits. The high compressive strength without creeping and deforming makes it to the perfect solution especially in roof areas with garden and terraces.



**Highest durability and ecology provides best sustainability**

[www.foamglas.com](http://www.foamglas.com)

### Build-up

- 1 Concrete roof deck
- 2 Primer coat
- 3 FOAMGLAS® TAPERED slabs (160 ~ 240 mm), laid in hot bitumen
- 4 Two layers of bituminous waterproofing membranes
- 5 Separating/protective layer
- 6 Gravel
- 7 Paving

