

### Fibre Reinforced Polymers (FRPs) in architecture

The Network Group for Composites in Construction is committed to promoting the innovative and creative use of FRPs in architecture. Through our network of members we are helping architects utilise the FRP materials that are providing challenging and exciting architecture.



The NGCC is the UK's only network group devoted to the use of FRPs in construction. We are run by our members for our members and for the benefit of the construction industry.

FRPs have many advantages for designers compared with other materials.

- Lightweight – up to 4 times strength weight ratio of steel
- Durable – average replacement life of 10 yrs/corrosion resistant
- Fire Resistant – to 1000°C
- Malleable – can be moulded to almost any design without loss of performance
- Choice of colour – There are virtually no limits to the colour or pattern you can specify
- Simulate traditional materials – FRPs can be made to look like stone, metals, timber and masonry

Notable architectural applications of FRPs include:

Architectural features  
Cladding  
Motorway gantries  
Bridges  
Modular construction  
Roofing

For further information on FRPs see our website at: [www.ngcc.org.uk](http://www.ngcc.org.uk)