



Our supports  
had to  
complement the  
existing slide  
support frames

Chose Framo due  
to light weight  
and suitable in a  
damp  
environment

Extremely limited  
space to design  
supports

## Case Study: The Wave, Coventry

### Project Brief

MIDFIX was pleased to be part of the project team to work on a prestigious £36.7m water park, The Wave in Coventry. The wave will boast 9 slides. It will also have a splash pad area, tipping buckets, accessible slides for toddlers, a wave pool and a lazy river. The building will also include a day spa, 4 x 25m lane swimming pool, fitness suite, squash courts and a dance studio. Our brief was to design the pipework support which carries the water to all 9 slides.

### Solution

MIDFIX provided the design concept and structural calculations. Our support frames had to be a light material yet strong enough to support the pipework as well as connect to the existing steel support which provided support to the slide structures. We chose Framo because this is light and suitable for use in a damp water environment.

There were also areas in the water park where we had very limited space to design the pipework supports. Our pipework designs had to complement the existing slide support frames, this meant that we had to design bespoke connections which connect Framo to the existing steel frames. Our structural calculations included connections analysis, water internal pressure and service loads which verified the overall structural stability.

