

Sheikh Khalifa Bin Zayed Grand Mosque

“Using K-Form eliminated colour variations on adjacent bays and saved huge amounts of time”



The Project

Colour concrete floor around the mosque

How it works

K-Form uPVC screeding rail provides the construction industry, with an economical, efficient and environmentally friendly alternative to steel shuttering. Made from recycled materials, K-Form is lightweight, durable and does not require removal after concrete pouring. It is easily cut to length on site and has pre-drilled holes in the vertical face for locating steel dowels bars and in the base for mortar anchoring. Furthermore, the design features end clips for joining and a removable top strip for joint sealing. Designed to be used with twin beams, bunyan rollers or vibro strikes, K-Form K135 and K85 disposable railing replaces steel forms where joints are needed.

The Solution

The Sheikh Khalifa Bin Zayed Al Nahyan Masjed Project (SHKMP, Al Ain) is located at heart of Al Ain City, near

U.A.E. University campus. This prestigious project is set to become one of the biggest mosque in U.A.E. This project has a colour concrete slab on grade around the mosque which is made up of 6 metre by 6 metre bays. This is very difficult to do with traditional method of timber or steel shuttering. The contractor revised the pouring method to utilise Kform's K85 screed rail system and from then on, the concrete floor slabs were poured and power floated at a speed of 10 bays per day. The whole project was running behind programme and it was decided to use Kform for the concrete slabs in order to get the project back on time. Also Kform eliminated much of the batch colour variations which occur when adjacent bays are poured on different days