

## Q6 Quality Notice – Basement Construction and Waterproofing

### BACKGROUND

Waterproofing defects and groundwater ingress into reinforced concrete basements are the most common and costly defect in basement construction. This has resulted in wasted effort / company time and money. This notices wishes to guide you towards our Q6 to ensure that we have the control measures in place to eliminate this re-occurring risk.

In general water tightness will form part of the structural engineers brief when an integral solution is proposed (concrete providing the barrier). If a barrier system is used a specialist contractor will be critical appointment to the team. A combination is most often the preferred solution.

#### The most common causes of such basement waterproofing failures are;

- Incorrect or poor quality control during installation of the designated waterproofing medium, eg membrane, joint barrier, concrete additive etc.
- Substandard concrete and/or poor curing of fresh concrete
- Poor joint surface preparation.
- Poor application of waterproofing product around penetrations

### WHAT'S BEEN DONE

The Q6 Team consisting of senior management with experience of the subject and external consultants working in this area along with specialist contractors to review the topic.

We now have a Q6 Basement Construction & Waterproofing [platform in place to support you and all stakeholders involved on your projects.

The Q6 awareness pack is available on iSite by clicking on the image below ;



Visit the Q6 iSite content page by clicking the Q6 logo above

### Quality Notice

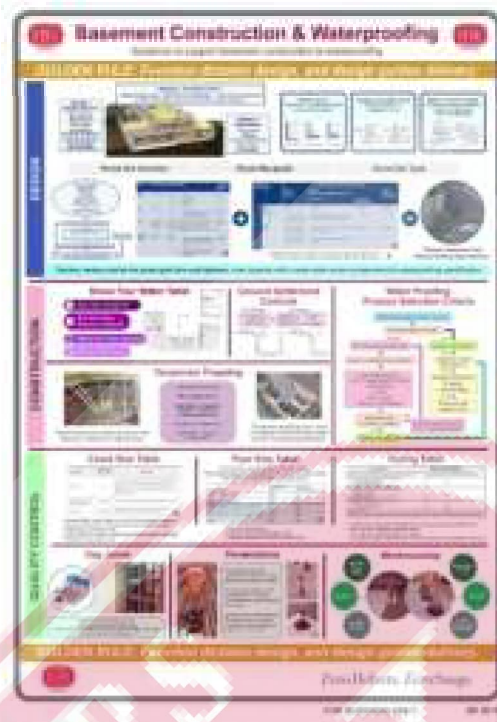
- Read this Quality Notice as an individual.
- Make your team and your contractors aware – use the Quality notice as a tool box talk or a Lunch & Learn
- Place the Quality Notice / tool box talk on your quality alert notice board

### Q6 Poster

- Order the poster in A1 colour, (through purchasing department – who in turn will order from Insignia – poster reference Q5 2017)
- Put the poster on prominent display – i.e. Site office corridor
- Read the poster – Read it regularly as required



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Q6 Poster – click image to view

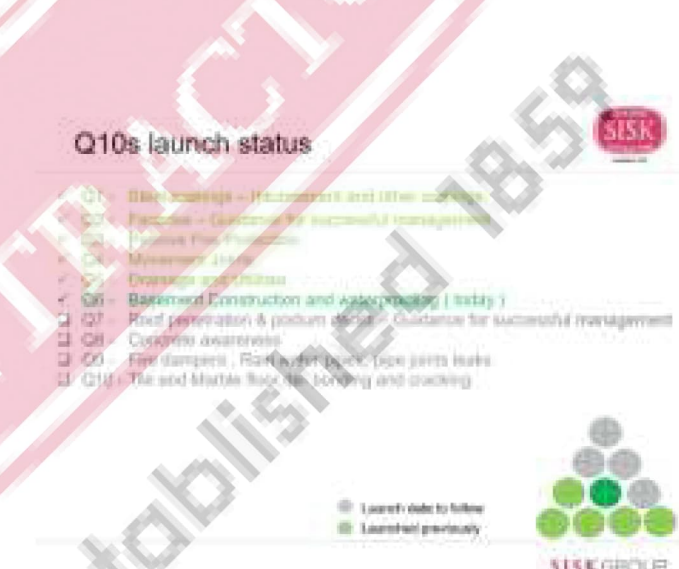
- We ask that our senior management engage with our teams to help support awareness. If this poster is not on display there is a good chance that your team have not read the Q6.

### PowerPoint Presentation and Webinar

It gives clear guidance that must be considered from tender stage, design development, product procurement, installation on site, inspection at PC and maintenance. We must also follow the key principles of our Quality Cycle and Planning for Zero guidance document.



Q6 Presentation – click image to view



Q6 Webinar Video – click image to view

## Q6 Quality Notice – Basement Construction and Waterproofing

### Q6 Technical Library

- Accessible via iSite.
- We want you to expand and to add to this library over time – if you have a document or a case study that should be shared please save as a pdf with the correct title and send to the Quality Improvement manager.
- Remember that our access to the IHS site is a rich source of information, we subscribe to this annually and there is great benefit from utilising this in sourcing documents referenced in specifications etc.  
(log on codes : Username-john sisk; Password- sisk )



### Technical Library



IHS IRL

IHS UK

### Recommendations in summary:

Q6 folder Content	Action
Presentation	Take time and read it
Webinar	Utilised to launch Q6 (also recorded for play back reference)
A1 Coloured Poster	Order it, read it and put the poster on display
Quality Notice	Project leads to give tool box talk to Sisk team within 1 month of launch.
Technical library	Reference information, more detailed information some good practice guidance

**Follow the Golden Rule:  
Function dictates design, and design  
guides delivery**



