QA QUALITY ALERT

CONSTRUCTING EXCELLENCE Midlands

Floor Screed Failure

What is the error/defect?

Cracking and/or total failure of floor screeds

What is the cause?

Insufficient surface preparation to substrate, levels not in accordance with design/specification, noncompatible materials, materials not used in accordance with manufactures requirements.

How should it be prevented?

Start with an approved design/specification managed through a robust Inspection Test Plan (ITP) and Work Inspection Record (WIR) system.

Key checkpoints include;

- Check design for end user floor loading requirements.
- Ensure material approvals are in accordance with specification.
- Ensure an accepted ITP and Work Inspection Record (WIR) are in place before works commence.
- Design in movement joints and positions of day joints as required for some if not all systems
- Check level datums and construction tolerances for correct cover particularly for thresholds, insulation, embedded services and the camber of precast elements.
- Follow manufactures instructions
- Prepare the work area including cleaning and priming surface.
- Maintain a suitable working environment i.e. openings closed, no water ingress, specified temperature range

TRADE CLASSIFICATION FOR REFERENCE M10 Cement based levelling / wearing screeds
DATE OF ISSUE 23.11.2020
Comments on Constructing Excellence Quality Alerts are welcome. Please contact: steve.green@bouygues-uk.com

Further information

https://www.concretecentre.com/Building-Solutions/Floors/Floor-Screeds.aspx