

## 6 QUALITY

---

### 6.1 General

This section is intended to provide guidance on the production of a Quality Plan for all the stages in the provision of the facade. Much of the necessary documentation should already exist as part of a Facade contractors standard procedures and should be supplemented, where necessary, by project specific procedures.

**6.1.1** A project specific quality plan should be produced following the principles and guidelines of BS 5750 to demonstrate how the cladding quality management will be implemented from award of contract through to contract completion. It is important to ensure that this is not simply a paper production process, but does result in active inspections and quality control at all stages.

**6.1.2** At the Facade contractors design stage, inspection procedures, checklists and audits should be developed for monitoring the work at the various stages.

During the design stage, a clear system must be implemented to track information flow and check that the work is being designed to the most up to date revisions of specifications and contract information.

**6.1.3** The documented procedures should outline the following:-

- Name of the quality manager
- Quality assessment
- Inspection procedures to be adopted in checking the works
- Stages at which checklists will be used and samples of those checklists
- List of works procedures on the correct use of materials or components, both off site and on site
- List of product information and latest revisions
- Sub-contractors involved in the works
- Sub-contractors quality systems where appropriate and details of their checklists
- Storage, handling, transport and protection requirements
- Procedure for registering and reporting non-compliances
- Procedure for ensuring non-compliances do not recur
- Maintenance procedures and calibration records (eg measurement and torque devices)
- Certification that works comply with specification
- Checklist register to ensure all items have been inspected and non-compliances discharged

## Guide to good practice for facades: Quality

---

- 6.1.4** During fabrication, checklists must include inspection requirements for all components which will no longer be visible for inspection at later stages in manufacture, assembly or erection of components.

For example, at assembly, the checklist should cover inspection of unitised frames for such items as tolerances, welds, connections, corrosion protection etc, because the majority of these elements will be concealed by the next stage of assembly.

- 6.1.5** During erection, the checklist should include such items as survey/spot-checks of structure, cast-in inserts, brackets, condition of components and assemblies prior to erection, thermal insulation and vapour barrier, joint cleaning, backer rod installation, sealant and caulking, fire stopping, protection of panels, final removal of protection and cleaning.

- 6.1.6** Any remedial action required should be noted on the quality inspection sheet.

- 6.1.7** Completed quality checklists should accompany the components at all stages of production up to final erection on site and be available for inspection at any stage.

Full records of all quality management documentation must be kept for a previously agreed period, but not normally less than 12 years.