

Finishes

Finishes are used to improve the **aesthetics** and **durability** of products

| Material Type | Finishes Used |
|--------------------|---|
| Papers and Boards | <ul style="list-style-type: none"> Paints Varnishes Laminating Plastic coating Wax coating |
| Timbers and Boards | <ul style="list-style-type: none"> Paints Varnishes Wax and Polish Staining Oil |
| Metals and Alloys | <ul style="list-style-type: none"> Painting Lacquering Electroplating Galvanizing Polishing Plastic Coating Powder Coating |
| Plastics | <ul style="list-style-type: none"> Polishing Painting Decals (stickers) |

Standard Components

Standard components are parts or components manufactured in the 1000s+ They are readily available, don't require specialist knowledge or tools to replace them and are universally recognised

| Material Type | Components used |
|--------------------|--|
| Papers and Boards | <ul style="list-style-type: none"> Staples Clips Split pins |
| Timbers and Boards | <ul style="list-style-type: none"> Nails Screws Panel Pins Hinges |
| Metals and Alloys | <ul style="list-style-type: none"> Nuts and bolts Screw Rivet Washer |
| Plastics | <ul style="list-style-type: none"> Plastic hinges |

Tolerances

- The total amount a specific dimension or property is permitted to vary
This can apply to hole depth, length, angle, thickness, weight and elasticity
A gauge can be inserted into a gap or hole to check if the sizes fall within tolerance
If parts do not fit within the specified tolerances they are discarded or recycled

Quality Control and Quality Assurance

- QC is **product** oriented
Quality control is where products are regularly tested (during and after manufacture) to ensure they meet the defined set of quality criteria
- QA is **process** oriented
Quality assurance is ensuring that the processes used to test the product have been done correctly and consistently
You can test a product all you like, but if the tests are wrong/ inconsistent with each other than the results are invalid
- Below are examples of Quality Assurance symbols:



European Conformity



BSI Kitemark



Lion Mark



Registration Mark

Process Orders

