

Task 2C – Assembly

You must:

- a) prepare the work area for the assembly activities
- b) complete the spacer block assembly; demonstrating:
 - the bonding process
 - the curing process
 - the trimming and finishing process.

Conditions of assessment:

- the time allocated for this task is **3 hours**
- you must carry out the task on your own, under **controlled conditions** while being observed.

Controlled conditions:

- you must only work on the tasks in the allocated times
- assessment evidence must be handed in at the end of each session for secure storage which cannot be accessed
- all practical work areas and any evidenced produced must be kept secure and only accessible by the assessor
- you must not share or discuss your work with other candidates
- you are not permitted to bring any materials into the assessment session.

What must be produced for marking:

- the completed spacer block assembly.

Additional evidence for this task:

- assessor observation to include:
 - assembly of the spacer block in stages, including bonding, curing, trimming and finishing processes
 - the completed spacer block assembly
 - the handling and application of composite materials
 - the application and use of tools and equipment
 - work area during and on completion of the tasks.

To support the comments made within the Practical Observation the assessor must capture the following photographs that must be submitted as supporting evidence for each candidate.

Photographic evidence which shows:

- assembly of the spacer block in stages, including bonding, curing, trimming and finishing processes
- the completed spacer block assembly.

Resources

- writing materials
- twill weave carbon epoxy pre-preg composite material (210g/m² 2x2 twill weave carbon epoxy pre-preg recommended)
- demoulding equipment including demoulding wedges, trimming, finishing and measuring equipment
- laminating consumables to include peel-ply, breather fabric, tacky tape, bagging film, vacuum breach units
- vacuum application and consolidation equipment
- curing equipment
- marking out equipment
- measuring out equipment (with calibration certificate (if applicable))
- tools (as per resources list)
- appropriate PPE (as per resources list)
- copies of completed documentation from Task 1
- component output from Task 2b.

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