

Task 2B – Production of the spacer block

You must:

- a) prepare the work area for the laying up activities
- b) construct the spacer block components (lower, core and upper) demonstrating:
 - marking out and cutting materials
 - laying up
 - curing
 - demoulding
- c) re-instate the work area.

Conditions of assessment:

- the time allocated for this task is **11 hours** (this does not include curing time)
- you must carry out the task on your own, under **controlled conditions** while being observed.

Controlled conditions:

- you must only work on your 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 components.

Additional evidence for this task:

- assessor observation of:
 - production of the spacer block components to include
 - the handling and application of composite materials
 - the application and use of tools and equipment
 - the work area during and on completion of the tasks
 - the finished (demoulded and cured) spacer block components.

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

Photographic evidence which shows:

- marking out and cutting materials
- the laying up and consolidation process

- the curing process
- the demoulding process and the finished (demoulded and cured) spacer block components
- the work area during and on completion of the task.

Resources:

- writing materials
- twill weave carbon epoxy pre-preg composite material (210g/m² 2x2 twill weave carbon epoxy pre-preg recommended)
- closed core foam sheet
- 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 and measuring out equipment
- tools (as per resources list)
- appropriate PPE (as per resources list)
- copies of completed documentation from Task 1
- component output from Task 2a.

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