Title | Cure an item in an autoclave for composites
---|---
Level | 4
Credits | 3

Purpose | People credited with this unit standard are able to prepare materials and equipment, and cure an item in an autoclave machine for composites.

Classification | Composites > Production Composites

Available grade | Achieved

Guidance Information

1. All required equipment must be set up, started up, operated, and shutdown in accordance with workplace policies and procedures.

2. All work practices must meet recognised codes of practice such as the Code of Practice for Health and Safety in the Manufacture of Composites Based on Synthetic Resins (Fiberglass), 1998, available at [http://worksafe.govt.nz](http://worksafe.govt.nz), and documented worksite health and safety procedures (where these exceed code) for personal, product, and worksite health and safety, and must meet the obligations required by legislation.

3. Learners undertaking assessment against this unit standards are expected to comply with the following legislation and any subsequent amendments –
   - Health and Safety at Work Act 2015

4. Definitions
   - *Process specification* refers to the documented instructions and method of applying the materials to manufacture the item. (For example: time, materials, temperature, application rates).
   - *Product specification* refers to the documented requirements of the manufactured item.
   - *Workplace policies and procedures* refers to the documented procedures and policies providing guidelines of the tasks and activities carried out in the workplace. This typically includes relevant health and safety policies to eliminate hazard or risk in the workplace.
Outcomes and performance criteria

Outcome 1

Prepare materials and equipment to cure an item in an autoclave machine.

Performance criteria

1.1 Materials and equipment are prepared in accordance with product and process specification and workplace policies and procedures.

1.2 Autoclave machine is calibrated in accordance with manufacturer’s instructions and workplace policies and procedures.

Outcome 2

Cure an item in an autoclave machine for composites.

Performance criteria

2.1 Materials are loaded into autoclave machine in accordance with process specification and workplace policies and procedures.

2.2 Cured item is unloaded from the autoclave machine in accordance with process specification and workplace policies and procedures.

2.3 Finished item is checked and remedial action is taken if required to ensure product specifications are met.

Planned review date 31 December 2021

Status information and last date for assessment for superseded versions

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Consent and Moderation Requirements (CMR) reference 0136
This CMR can be accessed at http://www.nzqa.govt.nz/framework/search/index.do.
Comments on this unit standard

Please contact the NZMAC ITO training@nzmarine.com if you wish to suggest changes to the content of this unit standard.