

Receive and handle raw materials for precast or prestressed concrete manufacturing operations

Overview

What is this standard about?

This standard states the skills, knowledge and understanding required to demonstrate competence to receive the raw materials required for the manufacturing of precast or prestressed concrete products and to handle these efficiently and safely according to their characteristics and organisational procedures and requirements.

Who is this standard for?

This standard is applicable to operatives, warehousemen, and supervisors in the precast and prestressed concrete manufacturing industries.

Receive and handle raw materials for precast or prestressed concrete manufacturing operations

Performance criteria

You must be able to:

1. carry out work activities in accordance with **approved, policies, procedures and practices**
2. select, check and use personal protection equipment (PPE) for the work activity
3. check the raw materials that are received match the delivery information
4. check the raw materials that are received meet the specified requirements
5. check the raw materials are delivered to the specified location or discharge point
6. oversee the unloading or discharge of materials
7. record delivery information
8. confirm the requirements for the raw materials to be retrieved
9. select, check and use equipment for handling raw materials
10. handle and retrieve the raw materials required for the manufacturing process
11. check for contamination of materials
12. ensure stock levels are maintained at sufficient levels to meet production requirements
13. identify any unusual levels of material usage
14. record the raw materials retrieved

Receive and handle raw materials for precast or prestressed concrete manufacturing operations

Knowledge and understanding

You need to know and understand:

1. the **approved policies, procedures and practices** for the work activity
2. your personal health and safety responsibilities,
3. how to select, check and use personal protection equipment (PPE) for the work activity
4. the different types of raw materials that are required for the various concrete manufacturing processes
5. how different types of raw materials should be transported, handled and stored
6. the checks required for external deliveries arriving on site
7. the normal locations for storage of raw materials, and the potential alternative locations when these are not available
8. the identification markings for the range of raw materials on the site
9. the handling equipment that should be used, and its capabilities and capacities
10. the health, safety and environmental hazards and risks associated with the raw materials
11. how to prevent and deal with caustic burns
12. how contamination can occur and how to prevent it
13. the actions necessary to deal with the different types of contamination
14. the quantity of raw materials that should be used for different work activities
15. the stock levels that should be maintained
16. the reporting, recording and information systems that should be used

Receive and handle raw materials for precast or prestressed concrete manufacturing operations

Scope/range

- 1. approved policies, procedures and practices:** legislative, organisational, operational, accident or emergency, health and safety, first aid, and environmental as appropriate to the location and work activity

Receive and handle raw materials for precast or prestressed concrete manufacturing operations

Developed by	MPQC
Version Number	1
Date Approved	January 2016
Indicative Review Date	January 2021
Validity	Current
Status	Original
Originating Organisation	MPQC
Original URN	MPQPC13
Relevant Occupations	Precast or Prestressed Concrete Manufacturing Operatives; Precast or prestressed concrete operator and related occupations; Supervisor; Warehouse and distribution
Suite	Precast & Prestressed Concrete Operations
Keywords	precast; prestressed; concrete; raw materials; store; handle; receive