

Method Statement for Installation of BC XPS Polystyrene Protection Boards

Purpose

This method statement outlines the procedure for the proper installation of BC XPS polystyrene protection boards to ensure durability and compliance with project specifications.

Scope

This method applies to all areas where polystyrene protection boards are required for safeguarding waterproofing membranes or insulation layers.

References

Project specifications
Manufacturer's installation guidelines
Health and safety regulations

Responsibilities

Site Engineer:
Ensures compliance with specifications and supervises installation.
Supervisor:
Manages workforce and materials.
Workers:
Carry out the installation as per guidelines.
Safety Officer:
Ensures adherence to safety protocols.

Materials & Equipment

BC XPS Polystyrene protection boards
Adhesive (if required)
Mechanical fasteners (if applicable)
Utility knife or hot wire cutter

Measuring tape and straight edge

Personal protective equipment (PPE)



6. Methodology

6.1 Surface Preparation

Ensure the surface is clean, dry, and free from debris.

Check that the waterproofing membrane is fully cured and undamaged before installation.

Cutting and Sizing

Measure the installation area accurately.

Cut the polystyrene boards to the required size using a utility knife or hot wire cutter.

Installation

Place the polystyrene boards over the waterproofing layer as per the design layout.
Adhesive Fixing (if required): Apply compatible adhesive to the back of the board and press firmly onto the surface.
Mechanical Fixing (if required): Secure the boards with approved fasteners, ensuring they do not damage the underlying waterproofing.
Ensure tight joints between boards to avoid gaps.

Overlap or stagger joints where required to prevent continuous seams.

Quality Control

Inspect alignment and stability of installed boards.
Verify proper adherence without gaps or misalignment.
Conduct random pull tests to ensure adhesion strength if using adhesive.

Safety Precautions

Workers must wear gloves, goggles, and masks when handling polystyrene boards.
Ensure proper ventilation in enclosed spaces.
Avoid open flames near polystyrene materials as they are flammable.
Dispose of waste materials responsibly as per environmental guidelines.

Completion & Handover

Conduct a final inspection to ensure compliance with project specifications.
Rectify any defects before handover.
Obtain approval from the site engineer or quality control inspector.

Documentation

Maintain records of installation, inspections, and approvals for quality assurance.

Submit as-built documentation as required.