



Engineering Hub

Site QA/QC checklists

08

Thermal insulation

Boards, sprayed foam and inverted roofs: material, tight joints, thickness and protection.

Systems

XPS & EPS boards

Spray PU foam

Inverted roof

Inspection record

Project

Location / area

Inspector

Date

Signature

08.1 Before: surface acceptance

Check Method or record Acceptance Remarks

☐

Material, thickness and density per the approved specification and TDS

Delivery notes and labels checked

Type, thickness and density match the approved submittal

◆ Hold point

☐

Clean, dry surface; under an inverted roof the waterproofing is complete and tested

The waterproofing stage acceptance checked

Waterproofing accepted and the surface clean before boards are laid

☐

Boards protected from sun and damage; foam components stored at the specified temperature

Store visit; storage temperatures logged

No damaged boards; foam components within their storage limits

08.2 During application

Check Method or record Acceptance Remarks

☐

Boards butted tight with staggered joints, no gaps

Visual check

No open joints; joints staggered

◆ Hold point

☐	Fixed or ballasted per the design; separation fleece over the boards in inverted roofs	Checked against the roof design	No loose boards; fleece continuous with the specified overlaps	
☐	Foam sprayed in passes at the specified pass thickness ◆ Hold point	Thickness probed per area	Total thickness not below the design; even surface, no voids or splits	
☐	Substrate temperature, weather and wind within the product limits	Conditions logged before and during spraying	Within the product limits; work stops when they are exceeded	

08.3 After: testing and handover

Check	Method or record	Acceptance	Remarks
☐	Protective top coat over the foam within the specified time ◆ Hold point	Coat and date recorded	Foam fully covered within the specified time
☐	No gaps or thermal bridges at edges and penetrations	Visual check at edges, upstands and penetrations	Continuous insulation; gaps filled as specified
☐	Boards protected before tiling or screeding	Visual check before the next trade	No crushed or displaced boards
☐	Records: products and batch numbers, weather, checks and photos	The project quality file	Complete, signed and filed for handover



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