



Benx Building Boards Method Statement Y-Wall Rigid Sheet Sheathing



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PRODUCT INFORMATION

Project:	Typical Specification
Project Reference:	n/a
Specification Number:	n/a
System:	Building Boards
Substrate:	Y-Wall
Composition:	Calcium silicate-based fibre cement
Thickness	9,12,15 mm
Method of Fixing:	Mechanical fixing
System Finish:	Metal-Ø4.8x38mm FIX006 self-drilling drill point winged. Timber- Ø4.2x42mm FIX005 self-drilling.
Accreditation:	BBA – Certificate Ref: 14/5109



Typical Y-Wall board

Key Contact Details

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Supporting Links [Technical Downloads](#)
[NBS Plus – SPS Envirowall](#)
[NBS Plus – RCM](#)

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 Prepared by: Benx Technical Services

Project Specification Revision Record (for use on project specific specifications)

Version Number	Date of Issue	Key Revision Amendments / Additions	Requested By	Prepared By	Checked By

Quality Assurance Note:-

The following method statement, installation guidelines should be read in conjunction with Benx Quality Assurance documentation.

Benx ISO CERTIFICATION

- ISO 14001 - ENVIRONMENTAL REGISTERED COMPANY CERTIFICATE No. SP240368
- ISO 9001 - REGISTERED COMPANY CERTIFICATE No. SP240367
- ISO 45001 - HEALTH & SAFETY CERTIFICATE
- ISO 50001 - ENERGY MANAGEMENT

KEY PERFORMANCE INFORMATION

RCM Y-Wall is a high-quality calcium silicate based fibre cement board for use externally as a structural and non-structural sheathing board behind facade/rainscreen cladding applied to lightweight steel and timber frames, and also as an internal lining in domestic and non-domestic buildings.

RCM Y-Wall can be cut, drilled and nailed using conventional hand tools, offering many of the properties of timber.

Fire classification to EN 13501-1 class A1

STANDARD JOINTING

- JOINTS: RCM Y-Wall Joint seal is made up of two products; Dafa UV tape, which is a single-sided tape made from polyethylene and RCM Joint seal liquid, which is a temporary protective coating designed to protect non-porous surfaces from damage caused by abrasion, staining, spillage, weathering, and scratching. (fixing heads same sealing system)
- OPENINGS: RCM Y-Wall openings joint seal is made up of two products; Expanding sealant tape and EPDM tape, installation instructions in the product related TDS.
- MOVEMENT JOINTS & DEFLECTION HEADS: RCM Y-Wall Movement joints and deflection head joint seal is made up of two products; Mastic sealant and EPDM Tape, installation instructions in the product related TDS.
- CONCRETE SLABS & COLUMNS: RCM Y-Wall joints interfacing with concrete slabs and columns is made up of EPDM Tape, installation instructions in the product related TDS.

Note: The information above is provided as an overview of the product sealing, can be subject to variations in relationship to the project specification.

Standard details of the typical joints, and a list of the available different product options available.

INSTALLATION GUIDELINES

Preparation: The installation team will check all materials to ensure they have been delivered in accordance with the specification information. Boards will be stored to keep them dry; mastic will be stored in site containers as recommended in the TDS documentation.

Environmental conditions: Ensure that the materials are installed in accordance with the product recommendation for temperatures (+5°C to +40°C), moisture and humidity.

Introduction: RCM Y-Wall can be cut with a power saw ensuring suitable dust control measures are taken, follow the Safety, Health, Environment and Quality documentation. Damaged boards must not be used. Framing grade timber studs or galvanized steel framework should be provided at a maximum 600mm centres for single layer partitions.

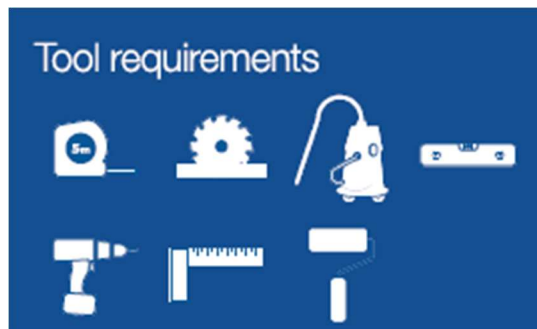
Board direction: RCM Y-Wall board should be installed, smooth face (front face) outwards (external wall side), rough face (back face) inwards (facing into the framing cavity).

Fixings:

- Steel frame; Ø4.8x38mm FIX006 self-drilling drill point winged.
- Timber frame; Ø4.2x42mm FIX005 self-drilling.

Screws should be a minimum of 12mm from board edges and spaced at a maximum 300mm, the screws must not be overtightened, Typical board's fixing details drawing available.

Tools: Ensure you have the correct tools available as identified below. Tools will be checked to ensure they are in good working order and that any blades or cutting edges are sharp.



PPE: Review your task in accordance with the site Safety, Health, Environment and Quality documentation folder, task control sheets (if in use) and risk and COSSH assessments before proceeding.



Weather: Review the weather for the day the works are proposed and subsequent days as relevant to the product cure times.

HAV: (Hand arm vibration) You must have HAV assessments in place and follow the guidance. Hours to be recorded weekly.

Sequence: Review the application with the design documents and the site management to ensure the sequencing is in accordance with the project plan.

Joints: Gap of 2-5mm to be left between the boards, if required by fire strategy of the project use RCM FR Pro mastic sealant within the joints and around the perimeters of the boards. Try to avoid getting the fire seal mastic over the face of the boards.

INSTALL

Install sequence 1: Boards to be installed in a brick bond pattern in accordance with RCM recommendation. Line and level the first board and fix in accordance with the fixing drawing. Follow the same process with the next board leaving consistent joints as noted above (Joints).

Install sequence 2: Deflection joints will be maintained at floor levels, boards will be installed as per the engineering design drawings/details. All abutments, openings or penetrations will be neatly cut around and trimmed. EPDM Tape applied to deflection joints.

Install sequence 3: All board cutting is to be completed on a bench or trestles and cutting machines will have full dust suppression in operation at all times. Measure and mark the boards before cutting ensuring a straight edge is formed. If possible, L around the windows and openings. Ensure new board line works with window head and cill arrangements.

Install sequence 4: Boards to be secured with the required fixings as noted before (Fixings) in accordance with the fixing patterns provided in Benx Typical board's fixing details drawings.

Install sequence 5: Once the system is installed and the fixing arrangement has been inspected, all joints will be sealed following the STANDARD JOINTING paragraph from this document, Ensure tape is applied to all joints and around openings. Finish must be smooth and avoid creases where possible, joint seal liquid can then be applied.

Install sequence 6: Repeat the process around the elevation. Each area is to be inspected and recorded.

Inspection: Complete visual inspections to ensure the product is installed correctly.