



APPLICATION INSTRUCTIONS

R4 HP INSUL SHEATHING

NOTE : Make sure that structural elements conform to current building standards by consulting a construction professional.

GENERAL

BP **R4 HP** INSUL SHEATHING is manufactured in 28.6 mm and (1 1/8") thickness. Panels are applied with the long edge vertical to reduce the number of horizontal joints and produce a more rigid wall system.

FIELD STORAGE AND HANDLING

For increased protection it is recommended to keep sheathing off the ground and to cover it when storing outside.

Panels with broken edges or punctures should not be installed. Use them in areas where they can be cut to eliminate the puncture or broken edge.

Product should be stored at similar conditions to its usage, and the exterior finish should be applied as soon as possible.

If applied sheathing should get wet, wait until it is completely dry before application of the exterior finish.

FRAMING

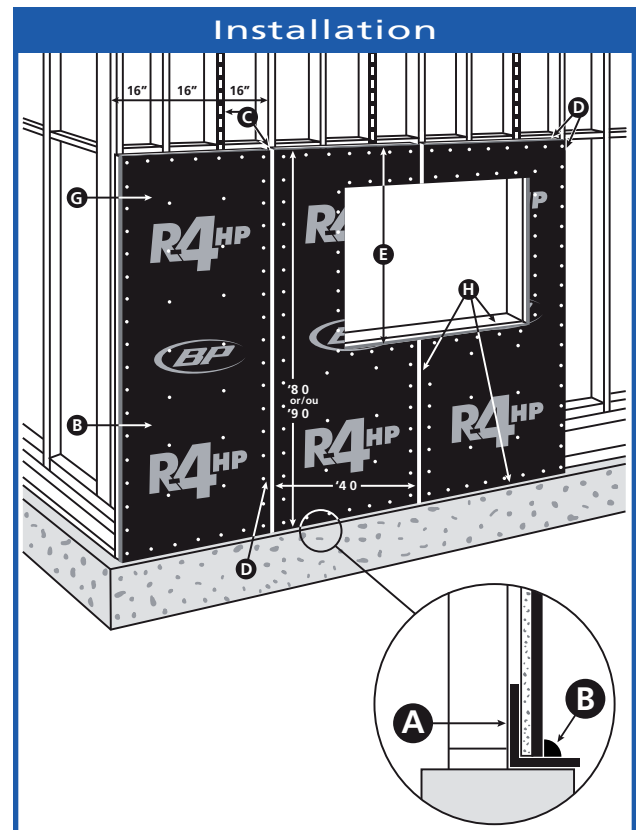
The BP **R4 HP** INSUL SHEATHING can be applied to studs erected on 30.5, 40.6 and 61 cm (12", 16", or 24") centers. Commence sheathing application at a corner.

FLASHING

Flashing over head casings, under, over and around windows and doors and at the wall/foundation point must conform to **National** and **local building codes** as to type, size, coverage and method of installation.

APPLICATION

- 1] Embed flashing on the top of the foundation in waterproof caulking cement (A). Turn up wall and tack to studs ;
- 2] Apply panels starting at corner and resting on flashing. Waterproof joint between panels and flashing with caulking cement (B). Fasten as recommended below ;
- 3] If more than one course of sheathing is installed, offset the second course so that the panel joints are not in a continuous, vertical line (C) ;



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4] Never force panels tightly together. Center panel joints on the studs, Provide 5.1 × 10.2 cm (2" × 4") headers between studs to permit nailing of horizontal joints (E) ;

5] Install acceptable flashing to the top, sides and bottom of window and door openings. Cut panels to fit tightly at window and door openings without forcing into place, to avoid buckling of panels. Apply a head of waterproof caulking to the joint between the panels and flashing.

FASTENING

Use a minimum 60.33 mm (2 3/8") galvanized roofing nail with an 11.1 mm (7/16") head and 3.2 mm (0.126") shank. As an alternative, plastic cap nails can be used.

- Do not drive nail head through the panel surface. Begin near panel center on the center studs and progress outwards towards the edges, spacing fasteners 300 mm (12") apart (G). Fasten panel edges and along framing members at window and door openings every 150 mm (6") (H) ;

- Fasteners should not be less than 9.5 mm (3/8") from panel edges. ;

- Staples – crown not less than 25.4 mm (1") and not less than 1.6 mm (1/16") in diameter with a min length of 63.5 mm (2 1/2"). Penetration into the stud must be no less than half (1/2) the length (NBC) or min of 32 mm (1 1/4"). Stapling shall be 150 mm (6") (H) around the perimeter and 300 mm (12") (G) in the field with the crown parallel to the studs.

FINISHING

- **NOTE :** Wood fibre sheathing products are not a nailing base. Vertical or horizontal furring strips can be applied to act as a nailing base, otherwise nails being used to attach the finishing must penetrate into the framing members by no less than half (1/2) the length (NBC). If furring is applied, the resulting air space between sheathing and finishing may require the installation of proper fire stops, in accordance with Article 9.10.15.2 of the 2005 **National Building Code**. All exterior finishes should be installed to manufacturers' specifications.

Building Products of Canada Corp.

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If this application instructions differ from the instructions on the packaging, this document is to be considered current. Please make sure to download the most up to date version of this document from the Building Products of Canada Corp. website www.bpcan.com. Please refer to local building codes for addition installation requirements.