Exterior Cladding

TexNov PI

Method of application on polyisocyanurate insulating panels.

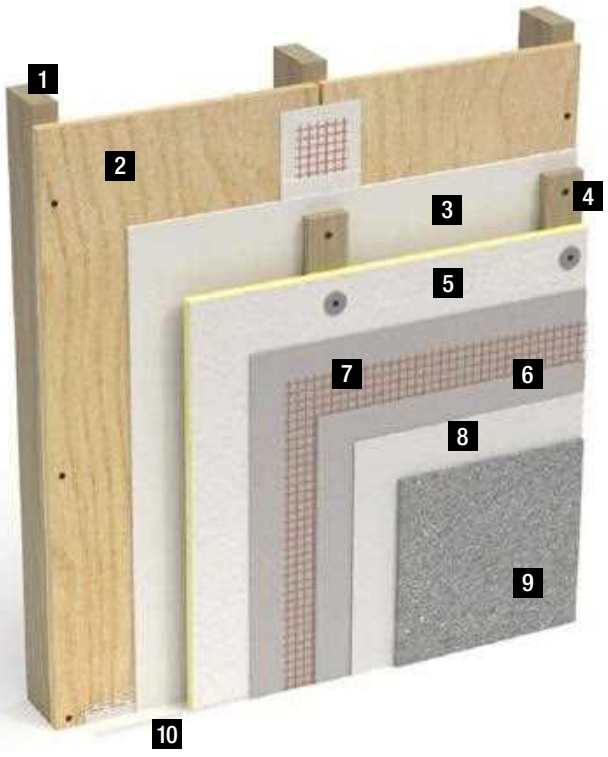
Rainscreen method that incorporates a secondary line of protection.
Used for vertical and horizontal walls on residential or commercial construction.
Includes application on wood substrates.

Products used for installation

(See technical product data sheets for more information)

TexPro

-Polyisocyanurate insulation board and mechanical fasteners
-***TexPro*** Flexstop
-***TexPro*** Flexroll primer
-Fiberglass Mesh
-***TexPro*** Flexbase ou Base Express
-***TexPro*** Flextex finish coat



1. Wood structure
2. Wood substrate or another approved
3. Flexstop membrane (or another approved water-proofing system)
4. Vertical spacing furring
5. Polyisocyanurate insulation board and mechanical fasteners
6. Flexbase or Base Express
7. Fiberglass mesh embedded in the base coat
8. Flexroll primer coat
9. Flextex finish coat or other
10. Starter moulding

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Thermal covering method with finish coating

TexNov PI

1 Generalities:

1.1 Related work specified in other sections.

1.1.1	Light framework	section: 05400
1.1.2	Wood framework	section: 06100
1.1.3	Sealants	section+6: 07900

1.2 Quality assurance.

1.2.1 The applicator must provide labour, materials and equipment necessary for the installation of the ***TexNov PI*** acrylic covering method from ***TexNov inc.***, or an approved equivalent.

1.2.2 The applicator will be qualified, have at least 5 years of continuous experience in the installation of materials of the specified type and be able to provide proof of this at the request of the architect.

1.2.3 The applicator must provide on request a 6 «x 1' (15 cm x 30 cm) sample of the ***TexNov PI*** method above for each of the colours and textures, using the same hardware, the same technique and the same tools that will be used for the implementation of the project.

1.2.4 The applicator must follow the specifications of the manufacturer in the installation of the ***TexNov PI*** method.

1.3 Description of the *TexNov PI* method.

1.3.1 The ***TexNov PI*** method is composed of polyisocyanurate insulation panels fixed with mechanical fasteners to furring strips which are arranged over a waterproofing membrane that covers the substrate.

Following installation of:

- An acrylic based ***TexPro FlexBase*** coating.
- A reinforcing fibreglass mesh.
- Mouldings (if necessary).
- A coloured primer (if necessary).
- A 100% acrylic finish coating.

1.4 Details of the *TexNov PI* method.

1.4.1 Polyisocyanurate panels approved by: ***TexNov inc.***

1.4.2 Coating acrylic base ***TexPro FlexBase*** used as levelling coating to cover the reinforcing mesh.

1.4.3 The reinforcing fiberglass mesh, treated to resist alkali and manufactured for ***TexNov inc.***

1.4.4 ***TexPro Flexroll*** coloured primer to coordinate the colour of the substrate finish coating.

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1.4.5 Acrylic finish coating: ***TexPro FlexTex*** 100% acrylic polymers, pre-mixed, the colour and texture selected by the architect and manufactured by ***TexNov inc.*** (See Reference Manual). Texture: _____Colour: _____

1.5 Delivery, storage, handling.

1.5.1 Delivery: All material supplied by ***TexNov inc.*** must be delivered intact in their original packaging.

1.5.2 Storage: All materials supplied by ***TexNov inc.*** should be stored and protected from the weather and damage at a temperature above 5°C (41°F).

1.6 Site implementation conditions.

1.6.1 Temperature. Ambient air temperature should be at least 5°C (41°F) and more during the installation of the ***TexNov PI*** method and remain at 5°C (41°F) or higher for at least 24 hours after installation.

1.6.2 Protection of adjacent materials: protect adjacent materials for damage or splashes resulting from the laying of coatings. If necessary, cover surfaces, equipment, etc. with appropriate methods.

1.6.3 Coordination of work: coordinate installation of the ***TexNov PI*** method with the other trades bodies.

1.6.4 Pace of work: provide the workforce necessary to ensure continuous operation without restarting (cold joint) and variation in texture.

1.7 Warranty.

1.7.1 From the date of receipt of the final payment for the work, ***TexNov inc.*** warrants the materials it provides, when applied according to application instructions and the manufacturer's specifications, will give results identical to those which are listed and described in the manufacturer's Reference Manual. This warranty applies only to the use of products on substrates approved by ***TexNov inc.***

1.7.2 ***TexNov inc.*** is not responsible for the architecture, engineering and execution.

1.7.3 Under this warranty, the sole and exclusive remedy will be that ***TexNov inc.*** will provide replacement materials, if determined that the materials provided were originally defective, provided that no more than ten (5) years have elapsed after the original application. ***TexNov inc.*** makes no other implicit or explicit warranty.

2 Products

2.1 Generality:

2.1.1 All materials and components of the ***TexNov PI*** exterior covering method must be obtained from ***TexNov inc.*** or its authorized representatives.

2.1.2 No substitution of materials will be accepted, unless authorized in writing by ***TexNov inc.***

2.1.3 Acceptable materials: components of the ***TexNov PI*** method from ***TexNov inc.*** or an approved equivalent. In this case, the equivalent method must be approved by the architect at least 10 days before the date of bids.

2.2 Approved materials and manufacturers.

2.2.1 Polyisocyanurate insulating panels:
- ***TexNov Quik-R*** insulating panels sold by: ***TexNov inc.***
- The panel is covered with a layer of fiberglass.
- The panels are available in 4' x 9' (120 cm x 270 cm) sections and thicknesses of 5/8" (1.6 cm), 1" (2.5 cm), and 1½" (3.75 cm).

2.2.2 Fasteners: The polyisocyanurate ***TexNov Quik-R*** insulation panels be mechanically fastened with 1 ¾" plastic or metal washers. 12 gauge minimum galvanized nails or stainless steel wood screws must penetrate 1 «into the wood uprights. For metal uprights, use self-perforating screws which are resistant to corrosion. They must be long enough to penetrate ¾" metal uprights.

2.2.3 Base coating such as: ***TexPro FlexBase*** manufactured by ***TexNov inc.***: A 100% acrylic base is mixed with Portland cement in a defined ratio. This will give a dough that will be used as a levelling coating in which the fiberglass mesh will be buried.

2.2.4 Regular fiberglass mesh, medium, or strong, 38" (95cm) wide. 9½ « long fiberglass mesh (23.75 cm). Treated against alkali as provided by the ***TexNov inc.***

2.2.5 ***TexPro Flexroll*** coloured primer coating: Recommended to coordinate the colour of the substrate coating with the finish coating.

2.2.6 Acrylic finish coating: ***TexPro FlexTex*** 100% acrylic polymers, pre-mixed, the colour and texture selected by the architect as manufactured and supplied by ***TexNov inc.***
The colour will be: #_____
(See colour chart in catalogue)
The texture will be: # _____

2.2.7 PVC mouldings: (If needed). as recommended by the manufacturer.

2.2.8 Water: Clear and drinkable.

2.2.9 Sealants: Approved by the manufacturer; the colour chosen by the architect.

2.2.10 Results of laboratory tests. (See section: Assessment of our products in the Reference Manual).

3 Performance of work:

3.1 Inspection:

3.1.1 Before starting work, check the compatibility of the existing substrate with the specifications of the project and the proposed method.

3.1.2 Make sure that the substrate is coated with a Weather Barrier such as ***TexPro FlexStop*** or equivalent product.

3.1.3 Make sure that the bottom of the walls is ventilated.

3.1.4 Ensure that a flexible flashing such as the membrane (Blue Skin) is installed at the perimeter of all openings.

3.1.5 Ensure that a PVC type flashing or aluminum water drop is installed at the top and bottom of all openings.

3.1.6 Ensure that a starter strip in PVC or a 9½" (23.75 cm) width mesh is installed at the bottom of the wall.
3.1.7 Make sure that the insulating panels are installed vertically. The sides must be positioned in the center of the vertical uprights.
3.1.8 Make sure that the mechanical fasteners (Quik-cap in metal) are positioned at 12 «(30 cm) vertically and 16" (40 cm) or 24 «(60 cm) horizontally according to the spacing of the uprights.
3.1.9 Make sure that the expansion joints are installed at 20' (600 cm) vertically and horizontally, at floor level, at the vertical line of an opening or on the recommendation of the architect.
3.1.10 Notify the architect of unacceptable conditions and do not start work until the corrections have been made.

3.2 Installation:

3.2.1 A Weather Barrier such as a TexPro FlexStop or equivalent must be applied over the exterior substrate.
3.2.2 The polyisocyanurate insulation panels must be covered with a base coating within a maximum period of 14 days.
3.2.3 The ***TexPro FlexBase*** base coating will be applied on the edges to incorporate the 9½" (23.75 cm) mesh.
3.2.4 9½" mesh strips (23.75 cm) x 12" (30 cm) will be installed at an angle of 45º to the corners of all openings.
3.2.5 Wait 24 hours between the laying of the mesh strips and the laying of the leveling layer.
3.2.6 ***TexPro FlexBase*** base coating will be applied over the entire surface with a minimum thickness of 3/32" (2.5 mm) order to cover the reinforcing mesh. The mesh joints should overlap a minimum of 2½" (6.25 cm). The surface will immediately be flattened and smoothed by avoiding trowels marks.
3.2.7 Wait 24 hours between laying the ***TexPro FlexBase*** leveling coating and the finish coating.
3.2.8 We recommend applying a coloured ***TexPro Flexroll*** primer to coordinate the colour of the substrate to the finish coating colour.
3.2.9 The colour finish coating # _____ and texture: ____ will be applied continuously and leveled immediately to give the work a uniform appearance to avoid holes, over-thickness, cut-off lines, and defects.
3.2.10 Polyurethane sealants will be applied according to the manufacturer's recommendation.
3.2.11 Clean the site as the work progresses. At the end of the work, rid the site of all scrap and surplus materials covered by this specification

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