

Exterior Insulation and Finish Method

TexNov PR

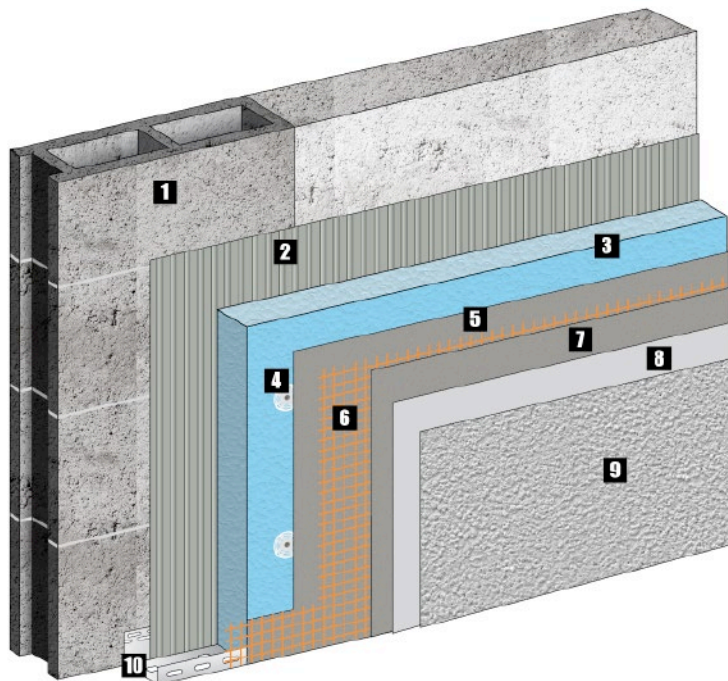
Impact resistant Method using extruded polystyrene insulation.

Rainscreen method which incorporates a secondary line of protection in conjunction with extruded polystyrene insulation panels. Always apply the adhesive on the insulation with a notched trowel to form vertical grooves. These grooves will be used for adhesion purposes and form cavities for the evacuation of moisture behind the insulation. **Used for residential or commercial buildings that are located close to the ground or if high impact resistance is required.**

Products used for installation

(See technical product data sheets for more information)

- Extruded flat insulation panel
- Fiberglass Mesh
- TexPro FlexStop CB
- TexPro Base Nivelage
- TexPro Base NC
- TexPro Flexroll
- TexPro Flextex



- 1** Substrate (Concrete or cement block)
- 2** Air and water penetration barrier membrane. TexPro FlexStop CB applied with jagged trowel which forms grooves
- 3** Flat insulation board of extruded polystyrene
- 4** Mechanical fasteners to attach insulation panels
- 5** TexPro Base Leveling base coat
- 6** Fiberglass mesh embedded in the base coat
- 7** TexPro Base NC base coat
- 8** TexPro Flexroll primer coat
- 9** TexPro Flextex finish coat
- 10** TexNov starter flashing

The application instructions and performance characteristics are based on information we believe to be reliable. They are offered to the best of our knowledge, but without guarantee, as conditions and methods of use of our products are beyond our control.

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Thermal covering method with finish coating

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1 Generalities:

1.1 Related work specified at other sections:

- 1.1.1 Light framework Section 05400
- 1.1.2 Sealant Section 07900
- 1.1.3 _____

1.2 Quality assurance.

- 1.2.1 The applicator must provide the labour, materials and equipment necessary for the installation of the *TexNov PR* Method or an approved equivalent.
- 1.2.2 The applicator must 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 each of the colours and textures chosen by the architect, 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 manufacturer’s specifications in the installation of the *TexNov PR* Method.

1.3 Substrate.

- 1.3.1 If the substrate is a concrete, masonry wall or treated exterior gypsum, it must be already covered by *TexPro FlexStop CB* trowelled cement membrane.

1.4 Description of the *TexNov PR* Method.

- 1.4.1 The *TexNov PR* Method consists of the installing an extruded polystyrene insulation on a substrate that has already been covered with a vapour barrier.

Following installation:

- Of a insulation extruded flat.
- Of a mesh.
- Of mechanical fasteners.
- Of special *TexPro Base Leveling* coating.
- Of a *TexPro Base NC* base coating.
- Of mouldings if necessary mouldings.
- Of a coloured primer *TexPro Flexroll*.
- Of a finish coating *TexPro Flextex*.

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1.5 Details of the *TexNov PR* Method.

- 1.5.1 Type IV Rigid panels of extruded polystyrene.
- 1.5.2 Mesh fiberglass, treated to resist alkali, built for and approved by *TexNov inc.*.
- 1.5.3 Mechanical fasteners (Plastic nails).
- 1.5.4 Special *TexPro Base Leveling* base coating.
- 1.5.5 *TexPro Base NC* base acrylic coating.
- 1.5.6 PVC mouldings approved by *TexNov inc.*.
- 1.5.7 *TexPro Flexroll* coloured primer to coordinate the colour of the finish coating substrate.
- 1.5.8 *TexPro Flexflex* finish coating 100% acrylic co-polymers, pre-mixed in the colour and texture selected by the architect and manufactured by *TexNov inc.* (See Reference Manual).
Texture: _____ Colour: _____

1.6 Delivery, storage, handling.

- 1.6.1 Delivery: all materials provided by *TexNov inc.* must be delivered intact in their original packaging.
- 1.6.2 Storage: All materials provided by *TexNov inc.* must be stored protected from the weather and damage at a temperature above 5°C (41°F).

1.7 Conditions for on-site implementation.

- 1.7.1 Temperature: the ambient air temperature must be at least 5°C (41°F) and upward during the installation of the *TexNov PR* Method and remain at 5°C (41°F) or higher for at least 24 hours after installation.
- 1.7.2 Protection of adjacent materials: protect adjacent materials from damage or splashes resulting from the laying of coatings. If necessary, cover surfaces, equipment, etc. with appropriate methods.
- 1.7.3 Coordination of work: coordinate the installation of the *TexNov PR* Method with other trades.
- 1.7.4 Pace of work: provide the workforce necessary to ensure continuous operation without restarting (cold joint) and variation in texture.

1.8 Warranty.

- 1.8.1 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 specification, giving results identical to those which are listed and described in the manufacturer's Reference Manual. This warranty applies only to the use of the products on substrates approved *TexNov inc.*
- 1.8.2 *TexNov inc.* Is not responsible for the architecture, engineering and execution of the work.
- 1.8.3 Under this warranty, the sole and exclusive remedy will be that *TexNov inc.* will provide replacement materials, if it is determined that the materials supplied initially were defective, provided that this does not occur more than five (5) after the original application. *TexNov inc.* makes no other implicit or explicit warranty.

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Section 07240
Version : 200 833

2 **Products:**

2.1 **Generality:**

- 2.1.1 All materials and components of the *TexNov PR* Method should 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: *TexNov PR* Method components from *TexNov inc.* or approved equivalents.

2.2 **Approved material and manufacturer.**

- 2.2.1 Rigid insulation panels of extruded polystyrene:
 - Rigid insulation panels manufactured by a manufacturer recognized and approved by *TexNov inc.*
 - Of extruded type IV.
 - Have a minimum thickness of 1½" (3.75 cm) in 2' x 8' sections.
- 2.2.2 Fasteners: specially designed for panels of extruded polystyrene (#8 screws minimum or installed using special nail gun). These fasteners must be protected against corrosion and installed with 1½" washers.
N.B. The rigid panels and their special fasteners must already have been installed by the contractor
- 2.2.3 Mesh (Para) supplied by *TexNov inc.*
- 2.2.4 *TexPro Base Leveling* special base coating.
- 2.2.5 *TexPro Base NC* base coating.
- 2.2.6 Colourful *TexPro Flexroll* primer coating: recommended to coordinate the colour of the substrate to the finish coating.
- 2.2.7 Finish coating: *TexPro Flextex* 100% acrylic emulsions, pre mixed in the factory, including the colour and texture selected by the architect, such as manufactured and supplied by *TexNov inc.*
The colour will be: # _____ (see colour chart in the Reference Manual).
The texture will be: _____ (see texture chart in the Reference Manual).
- 2.2.8 Accessories: as recommended by the manufacturer.
- 2.2.9 Water: clear and drinkable.
- 2.2.10 Sealants: Polyurethane approved by the manufacturer; the colour chosen by architect.
- 2.2.11 PVC mouldings: as specified by the manufacturer.
- 2.2.12 Results of laboratory tests. (See: assessment of our products in the Reference Manual).

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3 Performance of the work:

3.1 **Inspection:**

- 3.1.1 Before starting work, check the compatibility of the substrate with the specifications of the project and the proposed method.
- 3.1.2 Notify the architect of conditions that are unacceptable and do not start work until the corrections have not been made.

3.2 **Installation:**

- 3.2.1 Make sure that the substrate is coated with a vapour barrier.
- 3.2.2 Flexible flashing such as the fibrous (Blue-skin) membrane will be installed at the perimeter of all openings.
- 3.2.3 The **TexPro FlexStop CB** waterproofing membrane will be installed in continuity on the entire surface of the wall; all joints will be reinforced with a fibrous **TexNov inc.** membrane.
- 3.2.4 Aluminum or PVC drop-water type flashing will be installed at the top and bottom of all openings.
- 3.2.5 The extruded polystyrene rigid insulation panels will be installed horizontally starting from the bottom of the wall. The panels will be temporarily held in place by two screws or two nails (on the substrate).
- 3.2.6 On each row, the vertical joints of the panels will be offset from joints in the lower panels.
- 3.2.7 Expansion joints will be installed at every 20' (600 cm) vertically and horizontally if possible with a vertical line of an opening or on the recommendation of the architect. A good expansion joint means cutting the insulation right up to the wall.
- 3.2.8 The gaps left between panels are to be filled with thin slices of insulation. **N.B. Steps (3.2.1 to 3.2.7) are the responsibility of the contractor.**
- 3.2.9 The mesh will be installed over the entire surface using screws or nails (the substrate) which will be installed at 12" (30 cm), center-to-center horizontally and vertically.
- 3.2.10 The mesh joints overlap 2 by ½" (6.25 cm).
- 3.2.11 The mesh will also overlap the mouldings.
- 3.2.12 The mesh strips 9" (22.5 cm) x 12" (30cm) will be installed at an angle of 45° at the corners of all openings.
- 3.2.13 A base layer of approximately ¼" of **TexPro Base Leveling** retaining coating will be applied to cover the entire surface. The surface will be immediately flattened.
- 3.2.14 Inspect the surface to make sure that the fasteners are tightly secured and in sufficient quantity, the accessories borders are localized and that inequalities are repaired before applying the **TexPro Base NC** base coating.
- 3.2.15 Wait 24 hours before applying a thin layer of **TexPro Base NC**, using a stainless steel trowel, to strengthen and smooth out the surface.

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- 3.2.16 **TexPro Flexroll** primer: (optional) a liquid coating that is applied with a brush, a roller or by spray, which makes the surface uniformly absorbing and coordinated with the colour of the finish coating.
- 3.2.17 Wait 24 hours between laying down the **TexPro Base NC** levelling coating and coloured primer **TexPro Flexroll**.
- 3.2.18 Next apply the colour finish coating # ____ and texture: ____ will be applied continuously and leveled immediately to give the work a uniform appearance to avoid holes, overlapping, cut-off lines and defects.
- 3.2.19 Polyurethane sealants will be applied according to the manufacturer's recommendation.
- 3.2.20 Clean the construction work progressively. At the end of the work, rid the site of all scrap and surplus materials covered by this specification.

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