

Mastermax Premium 100

Housewrap

Description

Vapor-permeable and watertight function membrane with polypropylene layer protection on both sides.

Usage

Vapor-permeable underlay for housewrap. Used as a protective layer against moisture (liquid water penetration, Wind-blow snow). The product is laid directly over the plywood or solid support, parallel to the eaves with minimum 10 cm (4 inches) overlapping the printed side. The underlay is fixed to the plywood with nails or nails with plastic cap.

Features

Linopore UV+: the patented UV protection against aging

The sun's ultraviolet rays, with wavelengths of between 10 and 80 nanometers, attack the bonds of the polymer chains. That is the reason why roofs and walls suffer early when inferior sarking membranes are used. MASTERPLAST produces the microporous membrane named **Linopore UV+** which also called HALS (hindered amine light stabilizers) protect these layers against aging, independent of their thickness and color.

Thus, even after an aging test at 100°C, it retains 80 percent of its tear resistance and tensibility. Just compare that to the EN 13859 norm, which detects the durability after UV exposure and heat aging at only 90°C.

MASTERPLAST inline produces the polypropylene fleece with widths of up to 5.60 meters, coating it with a polypropylene film. This patented functional layer, with its sd value of 0.02 meters, makes it highly water vapor permeable as well as resistant to water penetration. Moreover, when the wall materials are dark, the walls gets hot. Therefore, **Linopore UV+** make sure the sun will hardly do any harm to the wall. Also, the sarking membrane's coating ensures increased UV stability and heat resistance, making it ideal for dark walls.

- Easy to install
- Prevents water from penetrating
- Remains breathable to permit unwanted moisture escaping
- Maintains a cost-effective price point
- Slip-resistant surface
- Lightweight

Installation

It is advised to install Mastermax Premium 100 when the wall framing is already constructed, but before the windows and doors are set. The substrate must be solid, clean, and free from parts, dust, loose material, ice, other contamination and chemicals (e.g. solvents, surfactants) that could be detrimental to the installation. Installation must take place above zero degrees Celsius.

Mastermax Premium 100 should be installed with the printed, gray side out, over exterior sheathing board or insulation as a secondary drainage layer under the primary water shedding cladding system according to CCMC Sheathing Membrane-Breather Type.

Start at an outside corner, leaving minimum 6" (150 mm) overlap by the starting corner. The underlayment must remain vertical during unroll, tight and flat over the entire surface without any blockages, allowing any water to drain down to the through wall flashing. The bottom edge extends over foundation, still plate interface by minimum 2" (50 mm). Upper layer on the wall should overlap bottom layer by a minimum of 6" (150 mm) and vertical flaps at least 12" (300 mm) which should be staggered where it is possible. Do not place above windows. Unroll over windows and doors.

The applied fasteners shall be strong and long enough to fix Mastermax Premium 100 to the stud framing. Fasten at top and bottom of roll within 2" of edge. Fasteners should be spaced every 6" (150 mm) around door and window openings and at the perimeter of the wall; between 12" and 18" (300 mm-400 mm) along the vertical stud lines.

During installation around the window or door openings, incise an X-cut from corner to corner. Pull the flaps inwards, fold and trim excess material and fix through all layers to the framing membrane. Use Tuck 205-02 Contractor's Sheathing Tape around windows, doors, vertical and horizontal seams.

Pipes and Conduit: Placement of an ample piece of membrane Mastermax Premium 100 can be utilized as a skirt around surface penetrations. The recommended length of material from penetration to edge of barrier "skirt" necessitates a minimum of 12 (300 mm) of Mastermax Premium 100. We recommend four incisions in the material to form a cross pattern that can be placed over the penetration. Extend the flaps of material upwards along vertical penetration and seal with Contractor's Sheathing Tape. It is also

advised to tape the top edge of the “skirt” to vertical surface. Products that have flanges should simply require a hole of the appropriate diameter be cut into the sheathing membrane and secured using sheathing tape.

Tears and Holes: small tears and holes can be repaired with approved sheathing tape. Larger holes may require a generous portion of sheathing material to cover the damaged area. Insert ample sized piece of Mastermax Premium 100 that extends 5” horizontally beyond the damage and insert up and under the underlayment above. Proceed to affix mechanically to substrate at both the top and bottom and tape the seams.

Cladding Installation

Mastermax Premium 100 shall be installed in accordance with this guide. In Canada, the recommendations of NBC 2005 must be considered. It is advised to install Mastermax Premium 100 with minimum of 10 mm airspace behind cladding. Ventilation mat can be also used for compliance this recommendation. Any damaged areas should be repaired or replaced before application. Installation should be continuous across the surface being clad. The cladding must be finished as soon as possible in accordance with the system manufacturers’ instructions and the project specifications. Recommendations of installation regarding cladding system must be also considered to ensure water repellent properties and ensure performance Mastermax Premium 100. When a delayed finish of primary cladding is expected, use supplementary fastening to mediate wind exposure (e.g. cap nails, battens).

Features

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- Lightweight

Benefits for installer

- Strong UV and heat protection
- Excellent water vapor transmission
- High tensile strength
- Easy installation

Packaging

	MNH-0061		
Width per roll	4.92 ft / 1.5 m	3 ft / 0.914m	9 ft / 2.74 m
Length per roll	164.0 ft / 50 m	100 ft / 30.5m	100 ft / 30.5 m
Weight per roll	17.6 lb / 8 kg	6.18 lb / 2.8kg	18.5 lb / 8.4 kg
Roll size	807.29 sq ft / 75 m ²	300 sq ft / 27.9 m ²	900 sq ft / 83.6 m ²
Rolls per pallet	25	50	25

Storage

Under dry conditions, protected against atmospheric exposure, especially sun-radiation and other heat sources as well as against moisture.