

LEXBASE R+S

2 IN 1 ROOF COMPOSITE PANEL

DESCRIPTION & USE

An insulation overlay-protection board composed of a sanded modified bituminous base sheet membrane, factory laminated to a high density polyisocyanurate board. The base sheet membrane is made of either glass fibre mat or heavy duty non-woven polyester, enhanced with glass fiber strands and selected SBS modified bitumen for superior flexibility and stability.

TECHNICAL DATA

| Type | Width x Length | Total Weight | Total Thickness |
|---------|---|-------------------|--------------------|
| 95 R+S | 914 mm x 2438 mm x 12.70 mm (3' x 8' x 1/2") | 9 kg (20 lbs) | 14.9 mm (0.59") |
| 180 R+S | 914 mm x 2438 mm x 12.70 mm (3' x 8' x 1/2") | 10 kg (22 lbs) | 14.9 mm (0.59") |
| 180 R+S | 914 mm x 4876 mm x 12.70 mm (3' x 16' x 1/2") - fan fold | 20 kg (44 lbs) | 14.9 mm (0.59") |

| Polyisocyanurate Roofing Board | |
|--|--------------------------------|
| Property | 12.70 mm (1/2") |
| Thermal Resistance (ASTM C-518 @ 23.88 °C (75°F) mean temp.) for 12.70 mm (1/2") thickness | RSI-0.44 (R-2.5) |
| Moisture Vapour Transmission (ASTM E-96) | < 1.00 perm (85 ng/Pa·s·m²) |
| Compressive Strength (ASTM D-1621) 10% Deformation | > 621 kPa (> 90 lbs/in²) |
| Water Absorption (ASTM C-209) | 1% |
| Dimensional Stability Length & Width (ASTM D-2126) | < 2% |
| Tensile Strength (ASTM C-1623) | > 35 kPa (730 psf) |
| Flame Spread (ASTM E-84) evaluation on a 10 minute period | 40-60 |
| Smoke Development (ASTM E-84) evaluation on a 10 minute period | 50-170 |



APPLICATION

LEXBASE R+ S is used as an insulation overlay-protection board and base sheet in the roofing system. It can be adhered with selected adhesives, hot asphalt or mechanically fastened. For more information on the securement patterns and proper adhesives please consult your LEXCOR representative.

APPROVALS & COMPLIANCES

- CAN/ULC S-126M

Composite Panel

Under Class 1 for insulated construction of steel, wood, concrete gypsum for 1-60 and 1-90 classifications (high winds). Patent no. 2.001.005

Lexbase R+S Panel with Cap Sheet

UL Class C Fully adhered (ref. TGFUC.R16778) CAN/ULC-S107

| Reinforcement Membrane | 95 g/m² | 180 g/m² |
|---|--|--|
| Upper Side | Sanded surface | Sanded surface |
| Cold Flex | Pass, °C (°F) (ASTM D-6164) | Pass, °C (°F) (ASTM D-6164) |
| Tensile Strength (MD and XD) | Pass, kN/m (lbf/in) (ASTM D-6164) | Pass, kN/m (lbf/in) (ASTM D-6164) |
| Tensile Tear (MD and XD) | Pass, N (lbf) (ASTM D-6164) | Pass, N (lbf) (ASTM D-6164) |
| Ultimate Elongation (MD and XD) | Pass, % (ASTM D-6164) | Pass, % (ASTM D-6164) |
| Tear Strength (MD and XD) | Pass, N (lbf) (CGSB-37.56-M) | Pass, N (lbf) (CGSB-37.56-M) |
| Lap Strength (MD and XD) 5D to 23°C (73.4 °F) | Pass, kN/m (lbf/in) (CGSB-37.56-M) | Pass, kN/m (lbf/in) (CGSB-37.56-M) |
| Strain Energy (MD and XD) 5D to 23°C (73.4 °F) | N/D | Pass, kN/m (CGSB-37.56-M) |
| Static Puncture | N/D | Pass, N (lbf) (CGSB-37.56-M) |



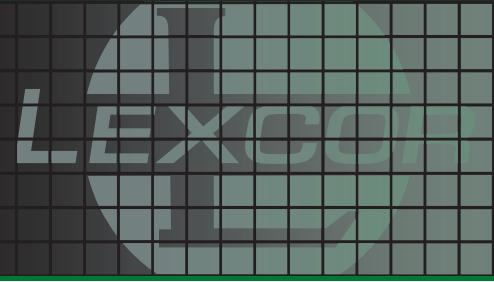
COMMERCIAL BUILDING PRODUCTS

Ontario & Western Canada 1.800.268.2889 / Quebec & Atlantic Canada 1.800.363.2307

Distr. By/Par Lexsuco 2010 Corporation, 3275 Orlando Drive, Mississauga, ON, L4V 1C5

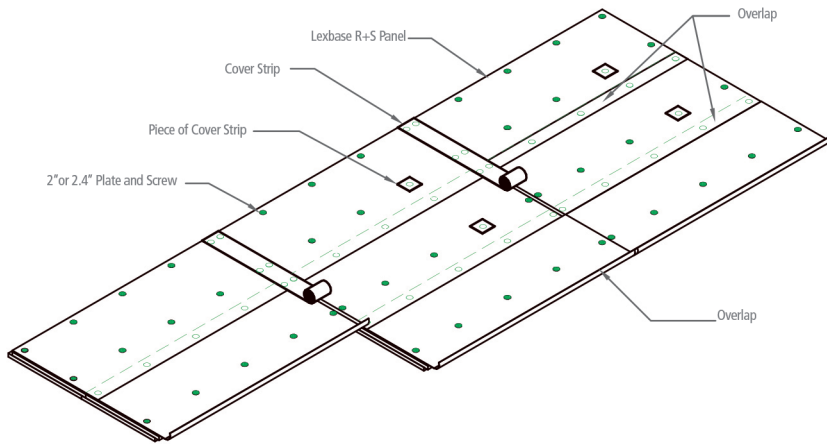
LEXBASE R+S

INSTALLATION DIAGRAM FOR MECHANICAL FASTENING

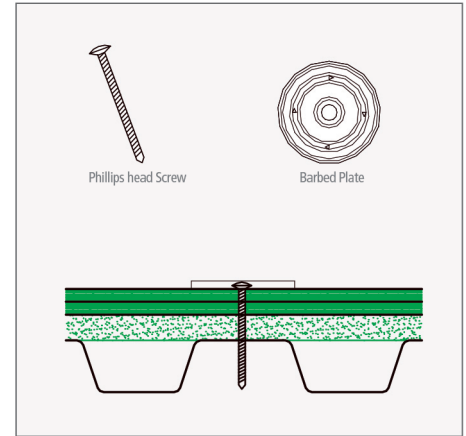


INSTALLATION DIAGRAM FOR MECHANICAL FASTENING

DETAIL #1

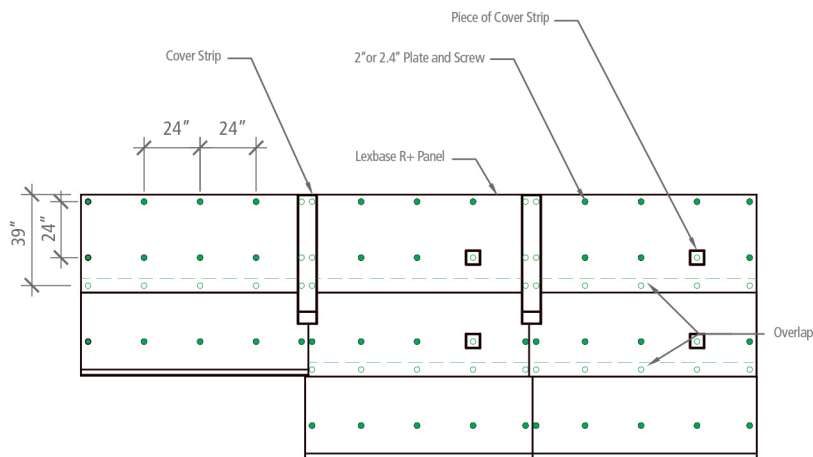


DETAIL #3



Cover Strip is required even if the cap sheet is installed in the same day.

DETAIL #2



Mechanical fasteners must penetrate at least $\frac{3}{4}$ " in steel deck, 25.4 mm (1") in wood deck and $\frac{1}{2}$ " in plywood deck. For steel deck, the fastener must penetrate the deck on the higher part of the flute (see detail 3). Use 50 mm (2") or 60 mm (2.4") barbed steel plates depending on the application. Fasteners should be placed at a minimum 1" of the edge of the panel to provide adequate support.



COMMERCIAL BUILDING PRODUCTS

Ontario & Western Canada 1.800.268.2889 / Quebec & Atlantic Canada 1.800.363.2307

Distr. By/Par Lexsuo 2010 Corporation, 3275 Orlando Drive, Mississauga, ON, L4V 1C5