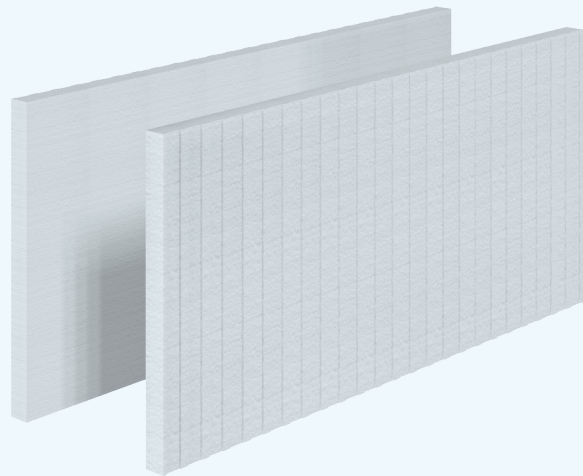


# SR.A™

## EXPANDED POLYSTYRENE RIGID INSULATION FOR ACRYLIC COATING

The SR.A™ panels manufactured by Styro Rail Inc. are composed of type 1 white expanded polystyrene [EPS] rigid insulation, smooth or vertically grooved, to ensure drainage of vertical surfaces.



### CHARACTERISTICS

SMALL SIZE - EASILY INSTALLED ON WALLS

PERMANENT R-VALUE - DOES NOT DIMINISH WITH TIME

EXCELLENT MOISTURE RESISTANCE WITHIN THE WALLS

NON VAPOUR BARRIER - ENCLOSED RIGID PLASTIC CELLS THAT ALLOWS WATER VAPOUR DIFFUSION WHILE MAINTAINING THE INSULATING VALUE

MEETS CAN/ULC-S701-11 STANDARD

**SR.A™** **EXPANDED POLYSTYRENE RIGID INSULATION FOR ACRYLIC COATING**

**AVAILABLE DIMENSIONS**

<b>610 mm x 1219 mm</b>	[24" x 48"]	<b>25 mm</b>	[1"]	R3.7
		<b>38 mm</b>	[1-1/2"]	R5.6
		<b>51 mm</b>	[2"]	R7.4
		<b>64 mm</b>	[2-1/2"]	R9.3
		<b>76 mm</b>	[3"]	R11.1

Other dimensions available upon request. Square joints. Smooth panel by default. Panel with drainage pathways also available.

**RECOMMENDED USE**

Install SR.A™ panels on the exterior surface of foundations and framed walls in order to serve as a substrate for the installation of acrylic coating.

**CERTIFICATION**

Warnock Hersey has certified the type 1 expanded polystyrene contained in SR.A™ panels in accordance with the CAN/ULC-S701-11 standard. The type 1 expanded polystyrene produced by STYRORAIL™ is listed in the CCMC Registry of Product Evaluation under CCMC 13276-L.

**ENVIRONMENTAL DATA**

The expanded polystyrene used in the making of the SR.A™ panels are composed of 98% air and 2% plastic material. They are manufactured without HCFC, HFC gases and without HBCD flame retardant.

The STYRORAIL™ products can contribute to LEED credits.

Please send us your LEED Material Declaration Form at [projetleed@styrorail.ca](mailto:projetleed@styrorail.ca).

**STORAGE**

Store SR.A™ panels in a dry location, protected from the outside elements, ultraviolet rays, open flames or other sources of ignition. Stack panels on pallets of minimum 100 mm [4"] over the ground.

**INSTALLATION**

Panels must be dry and in good condition before installation.

To limit the color loss from UV exposure, cover the installed SR.P100™ panels with an exterior cladding protecting them from ultraviolet rays.

Refer to the *Installation Guide* for more informations.

**LIMITATIONS**

Expanded polystyrene is combustible. Even if expanded polystyrene contains a flame retardant, limit use of open flame or ignition sources near product. A protective barrier or thermal barrier is required as specified in the appropriate building code.

Expanded polystyrene may be affected by some oil based solvents.

**EXEMPTION OF LIABILITY**

The information herein is based on the present state of our best scientific and practical knowledge. The user is responsible for checking the suitability of products for their intended use. STYRORAIL™ technical data sheets are updated on a regular basis; it is the user's responsibility to obtain and to confirm the most recent version. Information contained in this data sheet may change without notice.

**SR.A™** **EXPANDED POLYSTYRENE RIGID INSULATION FOR ACRYLIC COATING**

**PHYSICAL PROPERTIES**

<b>SR.A™</b>	<b>100</b>
<b>Type</b>	<b>1</b>
<b>Thermal Resistance Min.</b> [ASTM C518] Thickness of 25 mm [1"]	<b>RSI 0,65</b> [R3.7]
<b>MVTR Max.</b> [ASTM E96]	<b>300 ng/Pa·s·m²</b> [5.24 US Perms]
<b>Compressive Strength Min.</b> [ASTM D1621] 10% Deformation	<b>70 kPa</b> [10 PSI]
<b>Flexural Strength Min.</b> [ASTM C203]	<b>170 kPa</b> [25 PSI]
<b>Water Absorption Max.</b> [ASTM D2842] Volume	<b>6 %</b>
<b>Dimensional Stability Max.</b> [ASTM D2126] Linear Variation	<b>1.5 %</b>
<b>Limiting Oxygen Index Min.</b> [ASTM D2863]	<b>24 %</b>
<b>Density Min.</b> [ASTM C303]	<b>16 kg/m³</b> [1.0 lbs/ft³]
<b>Flame Spread Rating</b> [CAN/ULC S102.2]	<b>145</b>