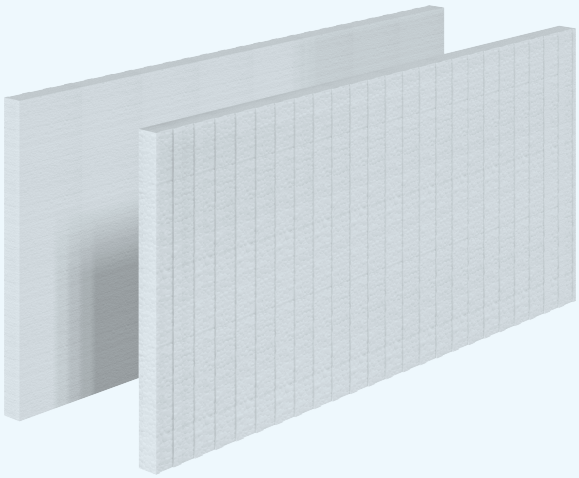
SR.A™

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 verticaly grooved, to ensure drainage of vertical surfaces.



CHARACTERISTICS

- SMALL SIZE - EASILLY 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-S701.1 STANDARD

STYRORAIL

SR.A™	EXPANDED POLYSTYRENE RIGID INSULATION FOR ACRYLIC COATING

AVAILABLE DIMENSIONS

610 mm x 1219 mm	[24" x 48"]

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

25 mm	[1"]	R3.7
38 mm	[1-½"]	R5.6
51 mm	[2"]	R7.4
64 mm	[2-½"]	R9.3
76 mm	[3"]	R11.1

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-S701.1 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**.

STORAGE

Store **SR.A™** panels in a dry and ventilated 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 coating protecting them from ultraviolet rays.

Refer to the *Installation Guide* for more information.

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

SR.A™	100
Type	**1**
Thermal Resistance Min. [ASTM C518] Thickness of 25 mm [1"]	**RSI 0,65** [R3.7]
MVTR Max. [ASTM E96]	**300 ng/Pa•s•m²** [5.24 US Perms]
Compressive Strength Min. [ASTM D1621] 10% Deformation	**70 kPa** [10 PSI]
Flexural Strength Min. [ASTM C203]	**170 kPa** [25 PSI]
Water Absorption Max. [ASTM D2842] Volume	**4 %**
Dimensional Stability Max. [ASTM D2126] Linear Variation	**1.5 %**
Limiting Oxygen Index Min. [ASTM D2863]	**24 %**
Density Min. [ASTM C303]	**16 kg/m³** [1.0 lbs/ft³]
Flame Spread Rating [CAN/ULC S102.2]	**145**