SR.**P**200[™]

TYPE 2 EXPANDED POLYSTYRENE RIGID INSULATION

The SR.P200™ panels manufactured by Styro Rail Inc. are composed of type 2 expanded polystyrene [EPS] rigid insulation.

Available option: SR.P200G[™] panels manufactured with NEOPOR[®] graphite polystyrene beads.







AVAILABLE DIMENSIONS

				SR.P200™ REGULAR	SR.P200G™ NEOPOR®
610 mm x 2438 mm	[24" x 96"]	25 mm	[1"]	R4.0*	R4.8
1219 mm x 2438 mm	[48" x 96"]	32 mm	[1-1/4"]	R5.0*	R5.9
		38 mm	[1-1/2"]	R6.0*	R7.1
		44 mm	[1-3/4"]	R7.0	R8.3
		48 mm	[1-7/8"]	R7.5*	R8.9
		51 mm	[2"]	R8.0*	R9.5
		64 mm	[2-1/2"]	R10.0*	R11.9
		76 mm	[3"]	R12.0*	R14.3
Other dimensions available upon request. [1"]: ship lap joints available on two sides	Square joints by default. Panels of 25 mm . Panels of 38 mm [1-1/2"] or more: ship lap	102 mm	[4"]	R16.0	R19.0
joints available on two or four sides; G-Loc 1219 mm [48"] wide panels.	k™ system available on two or four sides for	127 mm	[5"]	R20.0	R23.8

^{*} In stock

RECOMMENDED USE

SR.P200™ panels are the most versatile and can be used in many applications, both exterior and interior, above or below ground level. Install SR.P200™ panels on the interior and exterior surface of foundation walls, the interior and exterior surface of the framework, underneath the basement finished concrete slab and concrete slab of residential garages, flat and cathedral ceilings as well as flat and sloped roofs in order to obtain a continuous thermal envelope. Also used to insulate the underground drainage pipes, under landscape areas without vehicule circulation. Ideal for insulating underneath the basement finished concrete slab.

Install SR.P200G[™] panels when a superior insulation value is needed for a specified thickness.

CERTIFICATION

Warnock Hersey has certified the type 2 expanded polystyrene contained in SR.P200[™] and SR.P200G[™] panels in accordance with the CAN/ULC-S701-11 standard. The type 2 expanded polystyrene produced by STYRORAIL[™] is listed in the CCMC Registry of Product Evaluation under CCMC 13271-1.

SR.P200™

TYPE 2 EXPANDED POLYSTYRENE RIGID INSULATION

INSULATING PANEL	SR.P100™	SR.P200™	SR.P300™	SR.P350™	SR.P400™	SR.P600™
Туре	1	2	3	3	3	3
Thermal Resistance Min. Regular [ASTM C518] Thickness of 25 mm [1"]	RSI 0,65 [R3.7]	RSI 0,70 [R4.0]	RSI 0,74 [R4.2]	RSI 0,76 [R4.3]	RSI 0,76 [R4.3]	RSI 0,81 [R4.6]
Thermal Resistance Min. Neopor® [ASTM C518] Thickness of 25 mm [1"]	RSI 0,83 [R4.7]	RSI 0,84 [R4.75]	RSI 0,85 [R4.8]	RSI 0,85 [R4.8]	RSI 0,85 [R4.8]	N/A
MVTR Max. [ASTM E96]	300 ng/Pa-s-m ² [5.24 US Perms]	200 ng/Pa-s-m ² [3.5 US Perms]	130 ng/Pa-s-m ² [2.27 US Perms]	130 ng/Pa-s-m² [2.27 US Perms]	130 ng/Pa-s-m ² [2.27 US Perms]	130 ng/Pa-s-m ² [2.27 US Perms]
Compressive Strength Min. [ASTM D1621] 10% Deformation	70 kPa [10 PSI]	110 kPa [16 PSI]	140 kPa [20 PSI]	207 kPa [30 PSI]	276 kPa [40 PSI]	414 kPa [60 PSI]
Flexural Strength Min. [ASTM C203]	170 kPa [25 PSI]	240 kPa [35 PSI]	300 kPa [44 PSI]	345 kPa [50 PSI]	414 kPa [60 PSI]	517 kPa [75 PSI]
Water Absorption Max. [ASTM D2842] Volume	6 %	4 %	2 %	2 %	2 %	0.7 %
Dimensional Stability Max. [ASTM D2126] Linear Variation	1.5 %	1.5 %	1.5 %	1.5 %	1.5 %	1.5 %
Limiting Oxygen Index Min. [ASTM D2863]	24 %	24 %	24 %	24 %	24 %	24 %
Density Min. [ASTM C303]	16 kg/m³ [1.0 lbs/ft³]	20 kg/m³ [1.2 lbs/ft³]	25 kg/m³ [1.5 lbs/ft³]	29 kg/m³ [1.8 lbs/ft³]	39 kg/m³ [2.4 lbs/ft³]	53 kg/m³ [3.3 lbs/ft³]
Flame Spread Rating Regular [CAN/ULC S102.2]	145	145	145	145	145	145
Flame Spread Rating Neopor® [CAN/ULC S102.2]	240	240	240	240	240	N/A

SR.P200™

TYPE 2 EXPANDED POLYSTYRENE RIGID INSULATION

ENVIRONMENTAL DATA

The expanded polystyrene used in the making of the SR.P200™ and SR.P200G™ 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.P200TM and SR.P200GTM 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.

Pay special attention to the storage of the SR.P200G[™] panels made with Neopor[®].

Cover the unwrapped SR.P200G[™] panels or if packaging has been damaged with an **opaque** white tarp. An excessive heat accumulation can deform products made with Neopor[®].

Do not store the **SR.P200G[™]** panels near any reflectives surfaces [ex: glass, metal]. A heat concentration from reflected sunlight can deform products made with Neopor®.

NEOPOR® Registred Trademark of BASF.

INSTALLATION

Panels must be dry and in good condition before installation.

To limit the color loss from UV exposure, cover the installed SR.P200™ panels with an exterior cladding protecting them from ultraviolet rays.

Avoid the prolonged exposure to sunlight of the SR.P200GTM grey/black surface made with Neopor®. Avoid the concentration of sunlight rays from radiation. Cover as soon as possible on hot days and/or during non-windy conditions. An excessive heat accumulation can deform products made with Neopor®.

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.

An excessive heat accumulation can deform products made with Neopor®.

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. STYRORAILTM 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.**P**300™

TYPE 3 EXPANDED POLYSTYRENE RIGID INSULATION

The SR.P300[™] panels manufactured by Styro Rail Inc. are composed of type 3 expanded polystyrene [EPS] rigid insulation and offers a compressive strength of 140 kPa [20 PSI].

Available option: SR.P300G[™] panels manufactured with NEOPOR[®] graphite polystyrene beads.







SR.P300™	TYPE 3 EXPANDED POLYSTYRENE RIGID INSULATION

AVAILABLE DIMENSIONS

AVAILABLE BINIEN	510115			SR.P300™ REGULAR	SR.P300G™ NEOPOR®
610 mm x 2438 mm	[24" x 96"]	25 mm	[1"]	R4.2	R4.8
1219 mm x 2438 mm	[48" x 96"]	30 mm	[1-3/16"]	R5.0*	R5.7
		38 mm	[1-1/2"]	R6.3	R7.2
		46 mm	[1-13/16"]	R7.6	R8.7
		51 mm	[2"]	R8.4*	R9.6
		60 mm	[2-3/8"]	R10.0*	R11.4
		76 mm	[3"]	R12.6	R14.4
Other dimensions available upon request. [1"]: ship lap joints available on two sides	Square joints by default. Panels of 25 mm . Panels of 38 mm [1-1/2"] or more: ship lap	90 mm	[3-9/16"]	R15.0	R17.1
joints available on two or four sides; G-Loo 1219 mm [48"] wide panels.	ck™ system available on two or four sides for	102 mm	[4"]	R16.8	R19.2

^{*} In stock

RECOMMENDED USE

Install the **SR.P300™** panels for surfaces that require a minimal compression resistance. Ideal for residential garage concrete slabs as well as underneath above ground pools.

Install SR.P300G[™] panels when a superior insulation value is needed for a specified thickness.

CERTIFICATION

Warnock Hersey has certified the type 3 expanded polystyrene contained in SR.P300™ and SR.P300G™ panels in accordance with the CAN/ULC-S701-11 standard. The type 3 expanded polystyrene produced by STYRORAIL™ is listed in the CCMC Registry of Product Evaluation under CCMC 13277-L.

SR.P300™ TYPE 3 EXPANDED POLYSTYRENE RIGID INSULATION

INSULATING PANEL	SR.P100™	SR.P200™	SR.P300™	SR.P350™	SR.P400™	SR.P600™
Туре	1	2	3	3	3	3
Thermal Resistance Min. Regular [ASTM C518] Thickness of 25 mm [1"]	RSI 0,65 [R3.7]	RSI 0,70 [R4.0]	RSI 0,74 [R4.2]	RSI 0,76 [R4.3]	RSI 0,76 [R4.3]	RSI 0,81 [R4.6]
Thermal Resistance Min. Neopor® [ASTM C518] Thickness of 25 mm [1'']	RSI 0,83 [R4.7]	RSI 0,84 [R4.75]	RSI 0,85 [R4.8]	RSI 0,85 [R4.8]	RSI 0,85 [R4.8]	N/A
MVTR Max. [ASTM E96]	300 ng/Pa-s-m² [5.24 US Perms]	200 ng/Pa-s-m² [3.5 US Perms]	130 ng/Pa-s-m ² [2.27 US Perms]	130 ng/Pa-s-m² [2.27 US Perms]	130 ng/Pa-s-m² [2.27 US Perms]	130 ng/Pa-s-m² [2.27 US Perms]
Compressive Strength Min. [ASTM D1621] 10% Deformation	70 kPa [10 PSI]	110 kPa [16 PSI]	140 kPa [20 PSI]	207 kPa [30 PSI]	276 kPa [40 PSI]	414 kPa [60 PSI]
Flexural Strength Min. [ASTM C203]	170 kPa [25 PSI]	240 kPa [35 PSI]	300 kPa [44 PSI]	345 kPa [50 PSI]	414 kPa [60 PSI]	517 kPa [75 PSI]
Water Absorption Max. [ASTM D2842] Volume	6 %	4 %	2 %	2 %	2 %	0.7 %
Dimensional Stability Max. [ASTM D2126] Linear Variation	1.5 %	1.5 %	1.5 %	1.5 %	1.5 %	1.5 %
Limiting Oxygen Index Min. [ASTM D2863]	24 %	24 %	24 %	24 %	24 %	24 %
Density Min. [ASTM C303]	16 kg/m³ [1.0 lbs/ft³]	20 kg/m³ [1.2 lbs/ft³]	25 kg/m³ [1.5 lbs/ft³]	29 kg/m³ [1.8 lbs/ft³]	39 kg/m³ [2.4 lbs/ft³]	53 kg/m³ [3.3 lbs/ft³]
Flame Spread Rating Regular [CAN/ULC S102.2]	145	145	145	145	145	145
Flame Spread Rating Neopor® [CAN/ULC S102.2]	240	240	240	240	240	N/A

SR.P300™

TYPE 3 EXPANDED POLYSTYRENE RIGID INSULATION

ENVIRONMENTAL DATA

The expanded polystyrene used in the making of the SR.P300™ and SR.P300G™ 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.P300TM and SR.P300GTM 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.

Pay special attention to the storage of the SR.P300G™ panels made with Neopor®.

Cover the unwrapped SR.P300GTM panels or if packaging has been damaged with an **opaque** white tarp. An excessive heat accumulation can deform products made with Neopor®.

Do not store the **SR.P300G™** panels near any reflectives surfaces [ex: glass, metal]. A heat concentration from reflected sunlight can deform products made with Neopor®.

NEOPOR® Registred Trademark of BASF.

INSTALLATION

Panels must be dry and in good condition before installation.

To limit the color loss from UV exposure, cover the installed SR.P300™ panels with an exterior cladding protecting them from ultraviolet rays.

Avoid the prolonged exposure to sunlight of the SR.P300GTM grey/black surface made with Neopor®. Avoid the concentration of sunlight rays from radiation. Cover as soon as possible on hot days and/or during non-windy conditions. An excessive heat accumulation can deform products made with Neopor®.

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.

An excessive heat accumulation can deform products made with Neopor®.

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. STYRORAILTM 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.**P**350™

HIGH COMPRESSIVE STRENGTH EXPANDED POLYSTYRENE RIGID INSULATION

The SR.P350[™] panels manufactured by Styro Rail Inc. are composed of type 3 expanded polystyrene [EPS] rigid insulation and offers a compressive strength of 207 kPa [30 PSI].

Available option: SR.P350G[™] panels manufactured with NEOPOR[®] graphite polystyrene beads.







CD DOEOTM	HIGH COMPRESSIVE STRENGTH EXPANDED
SR.P350™	POLYSTYRENE RIGID INSULATION

AVAILABLE DIMENSIONS

				REGULAR	NEOPOR®
610 mm x 2438 mm	[24" x 96"]	25 mm	[1"]	R4.3	R4.8
1219 mm x 2438 mm	[48" x 96"]	35 mm	[1-3/8"]	R5.9	R6.6
1219 mm x 2743 mm	[48" x 108"]	38 mm	[1-1/2"]	R6.5	R7.2
		44 mm	[1-3/4"]	R7.5	R8.4
Other dimensions available upon request. Square joints by default. Panels of 25 mm 1"]: ship lap joints available on two sides. Panels of 38 mm [1-1/2"] or more: ship lap		51 mm	[2"]	R8.6*	R9.6
joints available on two or four sides; G-Lo 1219 mm [48"] wide panels.	ck™ system available on two or four sides for	59 mm	[2-5/16"]	R10.0*	R11.1

^{*} In stock

CD DOCOTM

CD DOCOCTM

RECOMMENDED USE

Install SR.P350™ panels when applications require a superior compressive strength insulating material. Ideal to insulate concrete slab of commercial garages. Can also be used as insulating material underneath residential concrete slabs. Also used to insulate underneath above ground pools, concrete sidewalks as well as the parking spaces and the drainage pipes under the parking spaces of small residential buildings.

Install SR.P350G[™] panels when a higher insulation value is needed for a specified thickness.

CERTIFICATION

Warnock Hersey has certified the type 3 expanded polystyrene contained in SR.P350™ and SR.P350G™ panels in accordance with the CAN/ULC-S701-11 standard. The type 3 expanded polystyrene produced by STYRORAIL™ is listed in the CCMC Registry of Product Evaluation under CCMC 13277-1.

CD DOCOTM	HIGH COMPRESSIVE STRENGTH EXPANDED
SR.P350™	POLYSTYRENE RIGID INSULATION

INSULATING PANEL	SR.P100™	SR.P200™	SR.P300™	SR.P350™	SR.P400™	SR.P600™
Туре	1	2	3	3	3	3
Thermal Resistance Min. Regular [ASTM C518] Thickness of 25 mm [1"]	RSI 0,65 [R3.7]	RSI 0,70 [R4.0]	RSI 0,74 [R4.2]	RSI 0,76 [R4.3]	RSI 0,76 [R4.3]	RSI 0,81 [R4.6]
Thermal Resistance Min. Neopor® [ASTM C518] Thickness of 25 mm [1"]	RSI 0,83 [R4.7]	RSI 0,84 [R4.75]	RSI 0,85 [R4.8]	RSI 0,85 [R4.8]	RSI 0,85 [R4.8]	N/A
MVTR Max. [ASTM E96]	300 ng/Pa-s-m² [5.24 US Perms]	200 ng/Pa-s-m² [3.5 US Perms]	130 ng/Pa-s-m² [2.27 US Perms]			
Compressive Strength Min. [ASTM D1621] 10% Deformation	70 kPa [10 PSI]	110 kPa [16 PSI]	140 kPa [20 PSI]	210 kPa [30 PSI]	276 kPa [40 PSI]	414 kPa [60 PSI]
Flexural Strength Min. [ASTM C203]	170 kPa [25 PSI]	240 kPa [35 PSI]	300 kPa [44 PSI]	345 kPa [50 PSI]	414 kPa [60 PSI]	517 kPa [75 PSI]
Water Absorption Max. [ASTM D2842] Volume	6 %	4 %	2 %	2 %	2 %	0.7 %
Dimensional Stability Max. [ASTM D2126] Linear Variation	1.5 %	1.5 %	1.5 %	1.5 %	1.5 %	1.5 %
Limiting Oxygen Index Min. [ASTM D2863]	24 %	24 %	24 %	24 %	24 %	24 %
Density Min. [ASTM C303]	16 kg/m³ [1.0 lbs/ft³]	20 kg/m³ [1.2 lbs/ft³]	25 kg/m³ [1.5 lbs/ft³]	29 kg/m³ [1.8 lbs/ft³]	39 kg/m³ [2.4 lbs/ft³]	53 kg/m³ [3.3 lbs/ft³]
Flame Spread Rating Regular [CAN/ULC S102.2]	145	145	145	145	145	145
Flame Spread Rating Neopor® [CAN/ULC S102.2]	240	240	240	240	240	N/A

SR.P350™

HIGH COMPRESSIVE STRENGTH EXPANDED POLYSTYRENE RIGID INSULATION

ENVIRONMENTAL DATA

The expanded polystyrene used in the making of the SR.P350™ and SR.P350G™ 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.P350TM and SR.P350GTM 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.

Pay special attention to the storage of the SR.P350G[™] panels made with Neopor[®].

Cover the unwrapped SR.P350G[™] panels or if packaging has been damaged with an **opaque** white tarp. An excessive heat accumulation can deform products made with Neopor[®].

Do not store the $SR.P350G^{TM}$ panels near any reflectives surfaces [ex: glass, metal]. A heat concentration from reflected sunlight can deform products made with Neopor®.

NEOPOR® Registred Trademark of BASF.

INSTALLATION

Panels must be dry and in good condition before installation.

Avoid the prolonged exposure to sunlight of the SR.P350GTM grey/black surface made with Neopor®. Avoid the concentration of sunlight rays from radiation. Cover as soon as possible on hot days and/or during non-windy conditions. An excessive heat accumulation can deform products made with Neopor®.

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.

An excessive heat accumulation can deform products made with Neopor®.

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.**P**400™

VERY HIGH COMPRESSIVE STRENGTH EXPANDED POLYSTYRENE RIGID INSULATION

The SR.P400[™] panels manufactured by Styro Rail Inc. are composed of type 3 expanded polystyrene [EPS] rigid insulation and offers a compressive strength of 276 kPa [40 PSI].

Available option: SR.P400G[™] panels manufactured with NEOPOR[®] graphite polystyrene beads.







SR.P400™	VERY HIGH COMPRESSIVE STRENGTH EXPANDED
5K.P400'''	POLYSTYRENE RIGID INSULATION

AVAILABLE DIMENSIONS

AVAILABLE DIMLN				SR.P400™ REGULAR	SR.P400G™ NEOPOR®
610 mm x 2438 mm	[24" x 96"]	25 mm	[1"]	R4.3*	R4.8
1219 mm x 2438 mm	[48" x 96"]	30 mm	[1-3/16"]	R5.1	R5.7
		51 mm	[2"]	R8.6*	R9.6
		59 mm	[2-5/16"]	R10.0*	R11.1
		76 mm	[3"]	R12.9*	R14.4
	. Square joints by default. Panels of 25 mm s. Panels of 38 mm [1-1/2"] or more: ship lap	102 mm	[4"]	R17.2	R19.2
joints available on two or four sides; G-Lo 1219 mm [48'] wide panels.	ock™ system available on two or four sides for	127 mm	[5"]	R21.5	R24.0

^{*} In stock

RECOMMENDED USE

Install SR.P400™ insulation panels when applications require a very high compressive strength insulating material. Ideal to insulate concrete footings of all types of construction. Insulate underneath commercial, industrial and agricultural garage concrete slabs, road infrastructures, parking spaces, drainage pipes under the parking spaces of various building types. Used to insulate under arena slabs, refrigerated warehouses and concrete sidewalks.

Install **SR.P400G**[™] panels when a higher insulation value is needed for a specified thickness.

CERTIFICATION

Warnock Hersey has certified the type 3 expanded polystyrene contained in SR.P400™ and SR.P400G™ panels in accordance with the CAN/ULC-S701-11 standard. The type 3 expanded polystyrene produced by STYRORAIL™ is listed in the CCMC Registry of Product Evaluation under CCMC 13277-L.

SR.P400™	VERY HIGH COMPRESSIVE STRENGTH EXPANDED
	POLYSTYRENE RIGID INSULATION

INSULATING PANEL	SR.P100™	SR.P200™	SR.P300™	SR.P350™	SR.P400™	SR.P600™
Туре	1	2	3	3	3	3
Thermal Resistance Min. Regular [ASTM C518] Thickness of 25 mm [1"]	RSI 0,65 [R3.7]	RSI 0,70 [R4.0]	RSI 0,74 [R4.2]	RSI 0,76 [R4.3]	RSI 0,76 [R4.3]	RSI 0,81 [R4.6]
Thermal Resistance Min. Neopor® [ASTM C518] Thickness of 25 mm [1'']	RSI 0,83 [R4.7]	RSI 0,84 [R4.75]	RSI 0,85 [R4.8]	RSI 0,85 [R4.8]	RSI 0,85 [R4.8]	N/A
MVTR Max. [ASTM E96]	300 ng/Pa-s-m² [5.24 US Perms]	200 ng/Pa-s-m² [3.5 US Perms]	130 ng/Pa-s-m² [2.27 US Perms]			
Compressive Strength Min. [ASTM D1621] 10% Deformation	70 kPa [10 PSI]	110 kPa [16 PSI]	140 kPa [20 PSI]	210 kPa [30 PSI]	276 kPa [40 PSI]	414 kPa [60 PSI]
Flexural Strength Min. [ASTM C203]	170 kPa [25 PSI]	240 kPa [35 PSI]	300 kPa [44 PSI]	345 kPa [50 PSI]	414 kPa [60 PSI]	517 kPa [75 PSI]
Water Absorption Max. [ASTM D2842] Volume	6 %	4 %	2 %	2 %	2 %	0.7 %
Dimensional Stability Max. [ASTM D2126] Linear Variation	1.5 %	1.5 %	1.5 %	1.5 %	1.5 %	1.5 %
Limiting Oxygen Index Min. [ASTM D2863]	24 %	24 %	24 %	24 %	24 %	24 %
Density Min. [ASTM C303]	16 kg/m³ [1.0 lbs/ft³]	20 kg/m³ [1.2 lbs/ft³]	25 kg/m³ [1.5 lbs/ft³]	29 kg/m³ [1.8 lbs/ft³]	39 kg/m³ [2.4 lbs/ft³]	53 kg/m³ [3.3 lbs/ft³]
Flame Spread Rating Regular [CAN/ULC S102.2]	145	145	145	145	145	145
Flame Spread Rating Neopor® [CAN/ULC S102.2]	240	240	240	240	240	N/A

SR.P400™

VERY HIGH COMPRESSIVE STRENGTH EXPANDED POLYSTYRENE RIGID INSULATION

ENVIRONMENTAL DATA

The expanded polystyrene used in the making of the SR.P400™ and SR.P400G™ 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.P400TM and SR.P400GTM 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.

Pay special attention to the storage of the SR.P400G™ panels made with Neopor®.

Cover the unwrapped **SR.P400G**TM panels or if packaging has been damaged with an **opaque** white tarp. An excessive heat accumulation can deform products made with Neopor®.

Do not store the **SR.P400G[™]** panels near any reflectives surfaces [ex: glass, metal]. A heat concentration from reflected sunlight can deform products made with Neopor®.

NEOPOR® Registred Trademark of BASF.

INSTALLATION

Panels must be dry and in good condition before installation.

Avoid the prolonged exposure to sunlight of the SR.P400GTM grey/black surface made with Neopor®. Avoid the concentration of sunlight rays from radiation. Cover as soon as possible on hot days and/or during non-windy conditions. An excessive heat accumulation can deform products made with Neopor®.

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.

An excessive heat accumulation can deform products made with Neopor®.

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.