BRYX.R14313
Foamed Plastic

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See General Information for Foamed Plastic

INSULFOAM L L C
SUITE 1501
1019 PACIFIC AVE
TACOMA, WA 98402 USA

R14313

Foamed plastic in the form of boards. Also examined for physical characteristics in accordance with ASTM C 578-85.

SURFACE BURNING CHARACTERISTICS

	1/2 - 5 In. Thk +
Flame spread	20#
Smoke developed	150-300#

+Installed in a thickness, or stored in an effective thickness, as indicated; for a density of 1.0 to 2.0 lbs per cubic ft.

#Flame spread and smoke developed recorded while material remained in the original test position. Ignition of molten residue on the furnace floor resulted in flame travel equivalent to calculated flame spread index of 180 and smoke developed index of over 500.

When examined for physical characteristics in accordance with ASTM C 578-85 , the following were determined:

	Type I	Type VIII	Type II	Type IX
Density (pcf)	1.00	1.25	1.50	2.00
Thermal Resistance (R/in. min)	3.6	3.8	4.0	4.2
Dimensional Tolerances	Acceptable	Acceptable	Acceptable	Acceptable
Flexural Strength (psi minimum)	25	30	40	50
Compressive Strength (psi minimum)	10	13	15	25

	1/4 to 5 In. Thk+
Flame spread	20#
Smoke developed	150-300#

+Installed in a thickness, or stored in an effective thickness, as indicated for a density of 0.70 to 2.0 lb per cubic ft.

#Flame spread and smoke developed recorded while material remained in the original test position. Ignition of molten residue on the furnace floor resulted in flame travel equivalent to calculated flame spread index of 180 and smoke developed index of over 500.

	2 In. Thk Max +
Flame spread	10#
Smoke developed	85-180#

+Installed in a thickness, or stored in an effective thickness, as indicated for a density of 1.0 to 1.25 lb per cubic ft.

#Flame spread and smoke developed recorded while material remained in the original test position. Ignition of molten residue on the furnace floor resulted in flame travel equivalent to calculated flame spread index of 40 and smoke developed index of over 500.

Styropor Types AF112, AF212, AF312, AF412, AF512.

	2.5 cm (1 In.) Max+	5.1 cm (2 In.) Max+	10.2 cm (4 In.) Max+
Flame Spread	5#	5##	5###
Smoke Developed	115#	115##	200###

+Installed in a thickness or stored in an effective thickness, as indicated, for a density of 17 Kg/M cubed (1.1 pcf).

#Flame spread and smoke developed recorded while material remained in the original test position. Ignition of molten residue on the furnace floor resulted in flame travel equivalent to calculated flame spread classification of 5 and smoke developed classification of 350.

##Flame spread and smoke developed recorded while material remained in the original test position. Ignition of molten residue on the furnace floor resulted in flame travel equivalent to calculated flame spread classification of 35 and smoke developed classification of over 500.

###Flame spread and smoke developed recorded while material remained in the original test position. Ignition of molten residue on the furnace floor resulted in flame travel equivalent to calculated flame spread classification of 25 and smoke developed classification of over 500.

Styropor Types AF112, AF212, AF312, AF412, AF512.

	2.5 cm (1 In.) Max+	5.1 cm (2 In.) Max+	10.2 cm (4 In.) Max+
Flame spread	5#	5##	5###
Smoke developed	175#	175##	200###

+Installed in a thickness or stored in an effective thickness, as indicated, for a density of 20 Kg/M cubed (1.25 pcf).

#Flame spread and smoke developed recorded while material remained in the original test position. Ignition of molten residue on the furnace floor resulted in flame travel equivalent to calculated flame spread classification of 5 and smoke developed classification of 400.

##Flame spread and smoke developed recorded while material remained in the original test position. Ignition of molten residue on the furnace floor resulted in flame travel equivalent to calculated flame spread classification of 35 and smoke developed classification of over 500.

###Flame spread and smoke developed recorded while material remained in the original test position. Ignition of molten residue on the furnace floor resulted in flame travel equivalent to calculated flame spread classification of 180 and smoke developed classification of over 500.

Styropor Types AF112, AF212, AF312, AF412, AF512.

	2.5 cm (1 In.) Max+	5.1 cm (2 In.) Max+	10.2 cm (4 In.) Max+
Flame spread	5#	5##	5###
Smoke developed	175#	175##	175###

+Installed in a thickness or stored in an effective thickness, as indicated, for a density of 25 Kg/M cubed (1.5 pcf).

#Flame spread and smoke developed recorded while material remained in the original test position. Ignition of molten residue on the furnace floor resulted in flame travel equivalent to calculated flame spread classification of 5 and smoke developed classification of 350.

##Flame spread and smoke developed recorded while material remained in the original test position. Ignition of molten residue on the furnace floor resulted in flame travel equivalent to calculated flame spread classification of 35 and smoke developed classification of over 500.

###Flame spread and smoke developed recorded while material remained in the original test position. Ignition of molten residue on the furnace floor resulted in flame travel equivalent to calculated flame spread classification of 180 and smoke developed classification of over 500.

Styropor Types AF112, AF212, AF312, AF412, AF512.

	12.7 cm (5 In.)
Flame spread	10#
Smoke developed	10#

+Installed in a thickness or stored in an effective thickness, as indicated, for a density of 32 Kg/M cubed (2.0 pcf).

#Flame spread and smoke developed recorded while material remained in the original test position. Ignition of molten residue on the furnace floor resulted in flame travel equivalent to calculated flame spread classification of 120 and smoke developed classification of over 500.

	5 In. Thk Maximum +
Flame spread	5#
Smoke developed	120#

+Installed in a thickness or stored in an effective thickness, as indicated, for a density of 1.00 to 1.50 lbs per cubic ft..

#Flame spread and smoke developed recorded while material remained in the original test position. Ignition of molten residue on the furnace floor resulted in flame travel equivalent to calculated flame spread index of 20 and smoke developed index of 400.

Trademark and/or Tradename: "CCW", "Carlisle", "Carlisle Coatings & Waterproofing", "Carlisle Residential", "EcoStar", "Hunter Panels", "Insulfoam", "Versico", "WeatherBOND"

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