



January 29, 2014

BASF Corp. Styrenic Foams Div.
Mr. Aaron Wood
1609 Biddle Ave.
Wyandotte, MI 48192-3729

Subject: UL Classification of Neopor 5300, 5300 Plus, F5300, F5300 Plus

Dear Mr. Wood,

Per your request, this is to verify that the above referenced products are eligible to bear the following UL and ULC Classifications as tested per Standard ANSI/UL723, Tenth Edition, dated September 10, 2008, "Test for Surface Burning Characteristics of Building Materials", (ASTM E84-11) and Standard CAN/ULC-S102.2-10, Standard Method of Test for Surface Burning Characteristics of Flooring, Floor Coverings, and Miscellaneous Materials and Assemblies, Seventh Edition., respectively. We are in the process of updating these Listings and Classifications.

UL723 Classifications:

Foamed plastic in the form of boards, Styropor® BF 020, 122, 134, 222, 222M, 229, 322, 326, 327, 329, 421, 422; BFL 020, 122, 134, 222, 229, 322, 326, 327, 327S, 421 or 422 or Neopor® 2200, 2300, 2400, 5300, 5300 Plus.

	5 In. Thick Max +
Flame spread	15 #
Smoke developed	300 #

+ - Installed in a thickness or stored in an effective thickness, as indicated, for a density of 1.00-2.00 lb/cu. 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 Classification of 145 and Smoke Developed Classification of Over 500.

Foamed plastic in the form of boards, Styropor® BF 020, 122, 134, 222, 222M, 229, 322, 326, 327, 329, 421, 422; BFL 020, 122, 134, 222, 229, 322, 326, 327, 327S, 421 or 422® or Neopor® 2200, 2300, 2400, 5300, 5300 Plus.

	2 In. Thick Max +
Flame spread	10#
Smoke developed	45-125#

+Installed in a thickness or stored in an effective thickness, as indicated, for a density of 1.00 lb/cu 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 Classification of 35 and Smoke Developed Classification of 450.

Foamed plastic in the form of boards, Neopor® F5300, F5300 Plus.

	<u>5 In. Thick Max.</u>⁺
Flame Spread	5 #
Smoke Developed	25 #

+ - Installed in a thickness or stored in an effective thickness, as indicated, for a density of 1.00 to 2.00 lb/ft³.

- 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.

ULC S102.2:

Expanded polystyrene foamed plastic material in the form of boards.

Listed as to surface burning characteristics in accordance with CAN/ULC-S102.2 as indicated.

	Material Details			Classification or Rating
	Thickness, mm	Nom Density, kg/m ³	Flame Spread	Smoke Developed
Styropor® bead types:				
BF 020, 122, 134, 222, 222M, 229, 322, 326, 327, 329, 421, 422; BFL 020, 122, 134, 222, 229, 322, 326, 327, 327S, 421 or 422	25 - 100	16 - 32	210	415
Styropor® BFL295, BFL395, Peripor F395L BFL397, BFL397S, BFL495, Peripor F495L	25 - 100	16 - 32	205	425
Neopor® 2200, Neopor® 2300, Neopor® 2400, Neopor® KN 2200, Neopor® KN 2300, Neopor® KN 2300S, Neopor® KN 2400, Neopor® 5300, Neopor® 5300 Plus	25 - 100	16	230	500
	25 - 100	24	230	500
	25 - 100	32	230	500
Neopor® F5300, Neopor® F5300 Plus	25 - 100	32	220	Over 500

Please let us know if you have any questions or comments.

Sincerely,

Handwritten signature of Karen Foxx-Smith in black ink.

Karen Foxx-Smith
Engineering Associate
Fire Protection Division

Reviewed by,

Handwritten signature of R. K. Laymon in black ink.

R. K. Laymon
Senior Staff Engineer
Fire Protection Division