


## PLUS+ No. 103

**Subject: Elastic Modulus**

**Date: January 2018 (Revised January 2019)**

Foam-Control® PLUS+® insulation is manufactured in compliance with ASTM C578, “Standard Specification for Rigid, Cellular Polystyrene Thermal Insulation”. This standard covers the minimum requirements for flexural strength, compressive strength, and other select properties of polystyrene foam. Some applications such as slabs on grade and plaza decks rely on Foam-Control PLUS+ as a key structural component.

Foam-Control has conducted extensive tests to determine the elastic modulus of Foam-Control PLUS+ products. Elastic modulus was determined in accordance with ASTM D1621, “Standard Test Method for Compressive Properties of Rigid Cellular Plastics”.

PRODUCT					
		150	250	400	600
Elastic Modulus, typical ASTM D1621	psi (kPa)	730 (5000)	1090 (7500)	1500 (10300)	2200 (15170)

**Note:** The values are based upon testing at laboratory conditions (72F/50%RH) under short term load durations as specified by the ASTM test method.



Foam-Control PLUS+ products are manufactured by AFM Corporation licensees.

Copyright © 2019 AFM Corporation. All rights reserved. Printed in USA. Foam-Control, Foam-Control PLUS+ logo and An Architectural Insulation Like No Other are registered trademarks of AFM Corporation, Lakeville, MN.

PLUS+ is a registered trademark of ACH Foam Technologies, Inc., Denver, CO.