

Technical Data Sheet

POLY-U-FOAM 2lb. Urethane Pour Foam System

DESCRIPTION

MMS™ 2lb. Urethane Foam system is a high-quality Polyol-Isocyanate “foam in place” system with a free raise density approximately 2 pounds per cubic foot. This system features a convenient easy to use 1 to 1, by volume mix ratio (100 parts A side to 94 parts B side by weight). Product rapidly expands to a rigid closed cell foam perfect for pre-installed pipeline insulation, thermal insulation, acoustic insulation, filling voids and as sandwich panel core.

	A Side (Isocyanate)	B Side (Polyol)
Viscosity	300 cps	500 cps
Specific Gravity	1.25	1.17
Color	Dark Brown	Amber

Mix Ratio	1 to 1 by Volume
Mix Time	20 sec
Cream Time (all values at 77 degrees F)	35 sec
Rise Time	5 min
Tack Free Time	6 min
Free Rise Density	2 +/- .2 pounds
Molded Density	3 +/- .2 pounds
Linear Expansion ASTM D-696	7.37 degree C
K Factor ASTM C-518	.16 BTU/hr, ft sq, degree F
Water Vapor Perm. ASTM C-355	1.72
Water Absorption ASTM-2842	.31 gm/cm 2

	Parallel to Rise Column	Perpendicular to Rise Column
Comp. Strength ASTM D-1621	40.3 psi	33 psi
Comp. Modulus ASTM D-1621	1036 psi	728 psi
Flexural Strength ASTM D-790	106 psi	110 psi
Shear Strength ASTM C-273	37 psi	34 psi

Use adequate ventilation and protection from eye and skin exposure. Any information supplied with this material is given in good faith and must be verified by the end user, as is the sustainability of the material for their application. The warranty of this material shall be limited to the replacement of defective material.