



(Hybrid) Plural, 1.2 pound Insulating Spray Foam

Product Description

HYBRID 120 is a fast set, open-celled all water-blown polyurethane spray insulation system. **HYBRID 120** is a premium construction product, and is environmentally friendly. It exhibits superior insulation properties compared to other conventional insulation materials. **HYBRID 120** meets the highest flame retardancy standards for construction materials. **HYBRID 120** is easy to apply and its fast reaction time allows the contractor to complete difficult jobs quickly.

Uses

HYBRID 120 is a superior insulation material designed specifically for residential and commercial construction projects. **HYBRID 120** is flexible, accommodating movement of the substrate. is designed interior applications only. **HYBRID 120** is recommended for new construction and retrofit of existing structures.

Advantages

Fast set, allows quick job turn-around. High yield, 100% Water-Blown, contains no Ozone Depleting substances. Seamless, expands to fill voids and prevents air movement. Flexible, allows for some building movement. Excellent Thermal Stability, and dimensional stability, will not shrink under adverse weather conditions. Odorless, No Toxic Vapors after application, Class I Fire Retardancy rating.

Limitations

HYBRID 120 should not be used for exterior applications as the sunlight will rapidly degrade foam. It should not be used where foam will stay submerged in water. Applicable codes must be strictly adhered to.

Typical Liquid Properties

<u>PROPERTY</u>	<u>TEST METHOD</u>	<u>TYPICAL VALUE</u>
Viscosity "A"	ASTM D-2196	200-250 cps @ 25°C
Viscosity "B"	ASTM D-2196	350-400 cps @ 25°C
Weight Per Gallon "A"	ASTM D-1475	10.25 LBS/Gallon
Weight Per Gallon "B"	ASTM D-1475	9.15 LBS/Gallon

Typical Reactivity

Cream time	3-4 seconds @ 25°C
Rise Time	12-16 seconds @ 25°C

Typical Physical Properties

<u>PROPERTY</u>	<u>TEST METHOD</u>	<u>TYPICAL VALUE</u>
Density	ASTM D-1622	1.20±0.10 Lbs/ft ³
k-Factor	ASTM C-177	.219 BTU in/°F
R-Value	ASTM C-518	4.8 °F/BTU in
Flame Spread Index	ASTM E-84	<25
Smoke Generation Index	ASTM E-84	<450

Packaging

One Thousand Pound Kit: 500 Pounds of 'A' side and 500 Pounds of 'B' side.
 One Hundred Pound Kit: 50 Pounds of 'A' side and 50 Pounds of 'B' side.

Mixing

HYBRID 120 must be spray applied using approved equipment. Use 1:1 ratio pump, with appropriate material heaters, as required for individual application. For information contact **SPEC Technologies**

Minimum Parameters for Processing HYBRID 120

Working Pressure	1000-1500 psi
Working Temperature	120-140 °F

Shelf Life

90 Days, in original, unopened factory containers, under normal storage conditions of 55°F to 85°F.

Clean-up

Cured product may be disposed of without restriction. Excess liquid 'A' and 'B' material should be mixed together and allowed to cure, then disposed of in the normal manner. Product containers that are "drip free" may be disposed of according to local, state and federal laws.

Safety

Read Material Safety Data Sheets provided with all shipments. Additional copies are available upon request from SPEC Technologies, Inc or your local dealer. Basic safety for personal protection is: Long-sleeve overalls or disposable TYVEK overalls. Rubber gloves. Splash shield or safety glasses with splash guards. Rubber or leather boots. Do not use near high heat or open flame. Do not take internally.

Keep out of the reach of children.

Surface Preparation and Installation

Regard **SPEC Technologies**. specifications for **HYBRID 120** for detailed preparation and installation procedures..

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