



## ASC-1800 WALL FILL FOAM

### DESCRIPTION

ASC-1800 (formerly know as N-1090 and CAP-245-T) is a medium density closed cell spray able expanding foam insulation formulated for use in wall cavities. It acts as both an insulation medium and as an air barrier. It is relatively odor-free, non-toxic in its polymerized state, and is formaldehyde free.

### BENEFITS


- Polyurethane insulation can reduce energy costs by up to 50% versus other insulation mediums such as fiberglass, butt insulation and blown insulation. It easily expands to fill any void cavity it is dispensed into. It has excellent adhesion to any construction material and therefore forms a continuous air barrier.
- Since ASC-1800 foam insulation seals all void space it is dispensed into, it will greatly reduce sound transmission making the home or building a more quiet environment. It will specially reduce noises coming from street traffic, playrooms, and sound studios.
- ASC-1800 polyurethane foam is a closed cell product. By setting the building envelope, it prevents dust, mold spores and other airborne allergens from entering the structure.
- Other benefits of ASC-1800 include no wicking of water, not damaged by water itself, it is not a source of food for promoting mold growth it will not shrink and it can be infected into smal and closed wall cavities.

### SPECIFICATIONS

Mix Ratio (by volume)	50A/50B
Cream Time (Seconds @100°F)	2-3
Rise Time (Seconds @100°F)	8-12
Free Rise Density (pcf, core)	1.8-2.0

 [www.americanshieldchemicals.com](http://www.americanshieldchemicals.com)

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## PHYSICAL PROPERTIES

PROPERTY	METHOD	VALUE
Density	ASTM D 1622	1.8 - 2.0 pcf
R Value	ASTM C 518	6.8
Compressive Strength	ASTM D 1621	25 psi
Fungal Resistance	ASTM C 1338	No Fungi Growth
UL 94 HBF Burn Test	UL94-1998	Passes
Closed Cell Content	ASTM D2856	90% +

**WARNING:** Polyurethane product manufactured or produced from these chemicals may present a serious fire hazard if improperly used or allowed to remain exposed or unprotected. The character and magnitude of any such hazard will depend upon a broad range of factors which are controlled or influenced by the manufacturing or production process, by mode of application or installation and by the function and usage of the particular product. Each person, firm or corporation engaged in the manufacture, production, application, installation, or use of any polyurethane product should carefully determine whether there is a potential fire hazard associated with such product in a specific usage and utilize all appropriate precautionary and safety measures. PLEASE READ THE MATERIAL SAFETY DATA SHEETS FOR THE PROPER USE AND HANDLING OF THESE MATERIALS!

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