

## ExpandoThane Tech ata heet

### ExpandoThane

ExpandoThane is the first generation of Aromatic Polyurea to combine both the Waterproofing and chemical resistance of a Polyurea Instant set membrane with the addition of a micro blowing agent to create a Polyurea that expands between 5 to 7 times its original volume. Primary uses include but are not limited to: Complete seamless, self-flashing roofing systems as a standalone product or sprayed over most existing roof systems. On sloped visible Roof Applications an application of THpolymer 101 single component colored Aliphatic can be applied if special colors are desired. Foundation Waterproofing: ExpandoThane is self-priming and eliminates the need for bug hole fillers.

#### Physical Properties

Tensile Strength D412 1395

Elongation D412 300%

100% Modulus D412 1300

Tear Strength (PLI) D2240 162

Hardness (Shore D) D1737 30

Flexibility (1/8" Mandrel) D1737 85

Flashpoint (F) Pensky-Martin >200

Taper Abrasion (mg loss) CS18

Wheel

1kg per 1000 cycles 22

Hail Stone E822 Pass

Thermal Resistance Summer Flow R 2

ExpandoThane is to be applied by a Hot High Pressure Plural Component Machine

A – Side Temperature 120 Degrees F

B – Side Temperature 120 Degrees F

Hose Heat – 120 Degrees F

Pressure at Machine – 1500PSI

\*Temperature degrees and pressure may need adjusting due to ambient temperature