# NCFI 11-037 InsulBloc® OPTIMAXX

**DESCRIPTION:** 11-037 InsulBloc® OPTIMAXX is a two component, self-adhering, seamless, closed-cell spray applied polyurethane foam insulation system formulated with a low GWP HFO blowing agent. 11-037 is a low VOC, ABAA specified, and FEMA Class 5 flood resistant material with exceptional yield, thermal performance, and moisture resistance making it a top choice as an insulation system for residential and commercial applications. 11-037 is an air impermeable insulation at ½". Compliant with ASTM C1029, IAPMO ES1000, and ICC 1100. Approved for exterior below grade foundation walls, exterior side of walls and under concrete slabs. Refer to the 11-037 Technical Data Sheet for additional product performance and application guidelines or contact NCFI for additional information.

| R-Values* | | |
|---|---|---|
| Thickness (inches) | R-Value (°F·hr·ft² / Btu) | Moisture Vapor Perm |
| 1 | 7.6 | 0.74 |
| 2 | 15 | 0.37 |
| 3 | 23 | 0.25 |
| 3.5 | 25 | 0.21 |
| 4 | 28 | 0.19 |
| 5 | 36 | 0.15 |
| 5.5 | 39 | 0.13 |
| 6 | 43 | 0.12 |
| 6.9 | 49 | 0.11 |
| 8.4 | 60 | 0.09 |
| 9 | 64 | 0.08 |
| 10 | 71 | 0.07 |
| 11 | 78 | 0.07 |
| 12.6 | 90 | 0.06 |

*Note: As with all insulating materials, the R-value will vary with age and use conditions.

**READ THIS BEFORE YOU BUY**

**WHAT YOU SHOULD KNOW ABOUT R-VALUES**

The chart shows the R-value of this insulation. R means resistance to heat flow. The higher the R-value, the greater the insulating power. Compare insulation R-values before you buy. There are other factors to consider. The amount of insulation you need depends mainly on the climate you live in. Also, your fuel savings from insulation will depend upon the climate, the type and size of your house, the amount of insulation already in your house, your fuel use patterns and family size, proper installation of your insulation, and how tightly your house is sealed against air leaks. If you buy too much insulation, it will cost you more than what you'll save on fuel. To get the marked R-value, it is essential that this insulation be installed properly.