

THERMAL CONDUCTIVITIES

INSULATING CASTABLES

Thermal Conductivity btu/ft²hr⁰F/in

| <u>Mean Temperature</u> | <u>400⁰F</u> | <u>800⁰F</u> | <u>1200⁰F</u> | <u>1600⁰F</u> | <u>2000⁰F</u> |
|----------------------------------|-------------------------|-------------------------|--------------------------|---------------------------|--------------------------|
| Thermolite 28LI (cast) | 3.1 | 3.2 | 3.5 | 4.0 | |
| Thermolite 28LI (gunned) | 3.4 | 3.8 | 4.2 | 4.6 | |
| Thermolite 26LI | 2.7 | 2.9 | 3.1 | 3.3 | |
| Thermolite 26GLI | 2.9 | 3.0 | 3.3 | 3.7 | |
| Thermolite 26ESLI | 2.7 | 2.8 | 3.1 | 3.4 | |
| Thermolite 25 | 2.5 | 2.6 | 2.8 | 3.1 | |
| Thermolite 25LI | 2.5 | 2.7 | 2.9 | 3.1 | |
| Thermolite 25ES | 2.5 | 2.7 | 2.9 | 3.1 | |
| Thermolite 25SC (cast) | 2.8 | 3.0 | 3.3 | 3.5 | |
| Thermolite 25SC (gunned) | 3.0 | 3.2 | 3.5 | 3.7 | |
| Thermolite 25G | 2.5 | 2.6 | 2.8 | 3.1 | |
| Thermolite 25GLI | 2.9 | 3.0 | 3.3 | 3.7 | |
| Thermolite 25GES | 2.7 | 2.9 | 3.1 | 3.4 | |
| Thermolite 22 | 1.7 | 1.9 | 2.0 | | |
| Thermolite 22LI | 1.6 | 1.7 | 1.8 | | |
| Thermolite 22ES | 2.0 | 2.1 | 2.3 | 2.4 | 2.6 |
| Thermolite 22G | 1.9 | 2.0 | 2.2 | | |
| Thermolite 22GLI | 2.0 | 2.1 | 2.3 | | |
| Thermolite 22GES | 2.1 | 2.2 | 2.4 | 2.5 | 2.7 |
| Thermolite 20 | 1.6 | 1.7 | 1.8 | 1.9 | |
| Thermolite 20G | 1.6 | 1.7 | 1.8 | | |
| Thermolite 18 | 0.9 | 1.0 | 1.1 | | |
| Thermolite 18G | 0.9 | 1.0 | 1.1 | | |
| Insulite Block Castable (cast) | 0.7 | 0.8 | 0.9 | 1.0 @ 1500 ⁰ F | |
| Insulite Block Castable (gunned) | 0.8 | 0.9 | 1.0 | 1.1 @ 1500 ⁰ F | |