

HEATCRETE 3100

Temperature-Resistant Patching Material

DESCRIPTION

Heatcrete 3100 is used for repairing, patching, or resurfacing concrete floors on or around furnaces, cast houses, iron cupolas, or other areas of hot metal spillage. Heatcrete is resistant to linear change in extreme temperature conditions – less than 1% change at 3100° F.

FEATURES

- Remains functional at temperatures up to 3100° F.
- Heat resistant to linear change in extreme temperature conditions – less than 1% at 3100° F
- Ten times harder than concrete
- Coverage at 2.5 pounds of Heatcrete 3100 per square foot at 1/4" thickness
- Fast setting – 30 minutes set time under normal conditions

HOW TO USE

1. Clean surface—brush away loose flaking material and saturate with water.
2. Add 6 parts Heatcrete to 1-part water.
3. Mix Heatcrete powder into water with kneading motion until mixture obtains a plastic, putty-like consistency.
4. Press Heatcrete on wet surface and smooth to desired shape and finish.

PHYSICAL PROPERTIES

| Pre-fired to °F | Modulus of Rupture, psi | Cold Crushing Strength, psi | Linear Change % |
|-----------------|----------------------------|--------------------------------|-----------------|
| 250 | 1100 | 4,800 | Nil |
| 1500 | 750 | 3,900 | -0.1 |
| 2000 | 600 | 2,700 | -0.1 |
| 2500 | 1,750 | 5,180 | +0.4 |
| 3000 | 2,400 | 6,800 | +1.8 |

SPECIFICATIONS

| | |
|--------------------------|--------|
| Physical Form | Powder |
| Odor | None |
| Specific Gravity | 2.5 |
| Flash Point (TOC) | None |