

BNZ Materials Zelic No. 20 Mortar

Category : Ceramic , Oxide , Silicon Oxide

Material Notes:

No. 20 is an air-setting mortar, gray in color, for use where extra hard air-set strength is desired. It is not recommended for laying insulating fire brick. Used up to 2700°F for setting hard brick with a rubbed joint and for washcoating hard brick. When desired to use old fire brick as a patching material or monolithic fill, No. 20 is thinned with water and the crushed brick added. Note: Coating IFB is rarely advisable. Information provided by BNZ Materials Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_BNZ-Materials-Zelic-No-20-Mortar.php

| Physical Properties | Metric | English | Comments |
|---------------------|-----------|---------------------------|------------------|
| Bulk Density | 1.86 g/cc | 0.0671 lb/in ³ | Dipping, 10% H2O |
| | 1.94 g/cc | 0.0700 lb/in ³ | As received |

| Mechanical Properties | Metric | English | Comments |
|-----------------------|------------|----------|----------|
| Modulus of Rupture | 0.0324 GPa | 4.70 ksi | Mortar |

| Thermal Properties | Metric | English | Comments |
|----------------------------------|---------|---------|--------------------------------------|
| Maximum Service Temperature, Air | 1480 °C | 2700 °F | |
| Shrinkage | 5.1 % | 5.1 % | Permanent Linear Change at Use Limit |

| Component Elements Properties | Metric | English | Comments |
|-------------------------------|--------|---------|----------|
| Al2O3 | 5.1 % | 5.1 % | |
| Na2O | 3.3 % | 3.3 % | |
| SiO2 | 90.8 % | 90.8 % | |

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