



CERAMATERIALS

"Your One Stop Shop for Thermal Processing"

Derby 3000 Wet Cement

- Derby 3000 is a wet, air-setting fire clay mortar with a service temperature limit of 3000°F (1650°C).
- This smooth consistency mortar develops a strong brick-to-brick bond & has excellent work capability.
- It is recommended for laying all classes of fire clay brick, high aluminas, and insulating fire brick.
- Its excellent bonding provides strong airtight joints as well as resistance to all types of molten metal applications and destructive chemical attacks.
- Shipments can be made in either 50# or 100# containers pails

Application

Recommended methods are troweling, dipping, and brushing

PCE 33-3000° F (1650° C)

Temperature Classification: Air Set to 3000° F (1650° C)

Bond Strength:

230° F	1295 psi
1000° F	1120 psi
2000° F	1110 psi
2500° F	900 psi

Material Required Per 1000-9" Brick Equivalents: 300-350 lbs

Water Required: TJ- use as required

DJ- use one quart

Chemical Analysis- Calcined Basis (Wt %):

Al ₂ O ₃	47.2%
SiO ₂	46.9%
AlK	3.2%
Fe ₂ O ₃	0.95%
TiO ₂	1.34%
Other	0.41%

Note: All data is subject to reasonable deviation and should not be used for specific purposes.