KNIGHT
MATERIAL TECHNOLOGIES

5385 Orchard View Drive S.E.
East Canton, Ohio USA 44730
Phone: +1 (330) 488-1651
info@knightmaterials.com - www.knightmaterials.com

TECHNICAL BULLETIN – M 326 E

CORESITE

Acid Resistant Mortar

Product Description

CORESITE Acid Resistant Mortar is a specially compounded hydraulic type of mortar. It is resistant to chemical attack by alkalis and salt solutions of pH 5 to 14 inclusive. Being completely inorganic, it is entirely unaffected by organic solvents. **CORESITE Mortar** is not recommended for handling acids.

CORESITE Mortar hardens by internal chemical action at temperatures as low as 40°F. It has a long working life yet sets rapidly to a high strength mortar.

Application

CORESITE Mortar powder should be mixed with water to form a stiff, plastic mortar. Approximately 1lb of water is required for each 5 lbs. of powder. The use of excessive amounts of water should be avoided as this will reduce the final strength of the mortar. Mixing equipment, boxes and tools must be clean and free of lime and Portland cement.

CORESITE Mortar is applied to brick on the same manner as ordinary building mortar. The use of thin joints (1/8" wide) is recommended for corrosive services. **CORESITE Mortar** should be allowed to harden for 72 hours before being placed in service.

Safety

CORESITE Powder should be handled carefully to avoid excessive dust. Dust respirators should be worn during the mixing operation. Safety Data Sheets must be read before use.

Packing

CORESITE Mortar is shipped in 50lbs bags of powder. It can be stored indefinitely in a dry place.

Typical Physical Data

Bulk Density	105 lb/ft3	1,684 kg/m3
Compression Strength	3,000 psi	21 MPa
Modulus of Rupture	1,000 psi	7 MPa
Tensile Strength	300 psi	2 MPa
Water Absorption	20 %	20 %
Shrinkage	≤1 %	≤1 %
Color	Gray	Gray

The above physical data was derived by using ASTM Test Specifications C-20, C-579, C-580, C-307, C-143

Note

The information contained in this bulletin is believed to be accurate and reliable but is not to be construed as implying any warranty or guarantee of performance. Data are subject to reasonable variations and should not be used for specification purposes.