

CE-281 Page 1 of 2 Corlok[™] B Mortar

SELECTION & SPECIFICATION DATA

Туре	Potassium silicate brick mortar	
Description	Corlok B Mortar is a 2-component, halogen-free potassium silicate brick mortar used to bond and bed acid brick in chemical environments.	
Uses	 Butter industrial ceramics such as acid brick Brick linings in contact plant sulfuric acid manufacturing process vessels Brick linings in industrial and thermal power plant chimneys 	
Features	 Extensive 45+ year history of performance Creamy, buttery consistency High temperature resistance Resists strong oxidizing acids including nitric, chromic and sulfuric Low shrinkage High bond strength No acid washing required Fluoride-, sodium- and calcium-free, eliminates potential sulfation-hydration reactions 	
Limitations	 Not for use beyond its chemical resistance or thermal capabilities. Do not use in hydrofluoric acid service or caustic environments. Consult ErgonArmor with specific questions. 	

INSTALLATION GUIDANCE



CE-281 Page 2 of 2 Corlok [™] B Mortar

PACKAGING, ESTIMATING & HANDLING

Product	Code	Packaging
Corlok Solution	19554 19553	44 lb (20 kg) pail 600 lb (272 kg) drum
Corlok B Powder	19539	55 lb (25 kg) bag

A 1.25 cubic foot (154 lb or 70 kg) unit consists of 1 x 44 lb (20 kg) pail of solution and 2 x 55 lb (25 kg) bags of powder.

Theoretical Coverage	Consumption will vary based on brick size and joint width. Consult estimating guide CES-145.
Storage & Shelf Life	Maintain products in original packaging and sealed until ready for use. Protect Corlok Solution from freezing. Estimated shelf life for Corlok B Powder and Solution is 18-24 months when stored in a dry area at 70°F (21°C). Actual shelf life may vary with storage conditions. If there is any question with respect to the quality of the components, check reactivity prior to use. For assistance consult with
	ErgonArmor.

TYPICAL PHYSICAL PROPERTIES

Property	Typical Value
Color	White
Density, ASTM C138	123 lb/ft ³ (1,970 kg/m ³)
Compressive strength, 28-day, ASTM C579	>5,400 psi (37 MPa)
Tensile strength, 7-day, ASTM C307	>350 psi (2.4 MPa)
Flexural strength, ASTM C453	>1,300 psi (9 MPa)
Bond strength to brick (pull blocks)	>180 psi (1.2 MPa)
Maximum service temperature	1,650°F (900°C)

Temperature limitations will vary with chemical exposure. Consult ErgonArmor Technical Service for guidance.

Rev 03/2025

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