

SPECCRETE® F-2

REFRACTORY CEMENT MORTAR FOR FIREBRICK

PRODUCT DESCRIPTION: Speccrete® F-2 Firebrick Cement is a non water soluble refractory mortar mix compounded with high temperature fire clay that is used for setting firebricks around fireplaces. Use Speccrete F-2 to line metal fireboxes or to repair or tuckpoint joints in facebrick. Speccrete® F-2 is heat and acid resistant and is an excellent tuckpointing mortar. Speccrete® F-2 can be used in outdoor fireplace or fire pit construction, as well as installation of clay flue tile.

BENEFITS: HEAT AND ACID RESISTANT... IDEAL FOR TUCKPOINTING OR SETTING FIREPLACE BRICK SURROUNDS ... USE FOR INDOOR OR OUTDOOR APPLICATIONS...FAST SETTING

COMPOSITION: Heat resistant aluminate based cements with finely ground refractory fire clay.

WORKING & PERFORMANCE PROPERTIES @ 70°F (21°C) (APPROXIMATE):	
Yield per 10 lb. can	0.09 cubic feet
Initial Set per ASTM C-191:	1hour 20 minutes
Final Set per ASTM C-191:	2 hours 40 minutes
Chloride Content:	<0.005%

COMPRESSIVE STRENGTHS PER ASTM C-109:	MIXED AT STIFF CONSISTENCY:
1 day:	2200 psi
3 days:	3360 psi
7 days:	3650 psi
14 days:	3980 psi
28 days:	4250 psi

***All tests above were run at 36.4 % water to powder ratio = 3.64 lbs. water (1.75 quarts) / 10.0 lbs. Speccrete® F-2**

DIRECTIONS FOR USE: Mix Speccrete® F-2 with potable water to obtain a workable consistency. Use approximately 3.64 lbs water (1.75 quarts) of water to 10 lb. of Speccrete® F-2. Pre-wet the bricks or area to be patched with potable water before applying the Speccrete® F-2. Do not mix more Speccrete® F-2 than can be used within 25 minutes. It is recommended to keep the mortar joint size under 1/8 inch for setting flues, and under 1/4 inch for setting firebrick.

CAUTIONS: Do not use on frozen or frost filled brick. Do not add any additional fireclay, sand, cements or accelerators to the Speccrete® F-2. Use warm water to accelerate setting time if needed in cooler temperatures. When using in outdoor applications, keep protected from rain exposure for 24 hours. Allow up to 7 days strength gain before applying heat to the applied surfaces.

WARNINGS: Speccrete® F-2 is a highly alkali compound. Avoid inhalation of dust. Wear gloves during mixing and placement. Refer to product MSDS (Material Safety Data Sheet) for additional safety information.

NPCS HMIS SAFETY RATINGS: HEALTH = 2, FLAMMABILITY = 0, REACTIVITY = 0, P. PROTECTION = E

PACKAGING: 9 lb. (4.5 kg) cans (4 cans per carton)

STORAGE: 40° to 90° F **SHELF LIFE:** 1 year properly stored

FREIGHT CLASS: Item #42130, Sub 0, LTL 50 – Cement powder in cans

LIMITED WARRANTY: This product is warranted to be of merchantable quality when used according to the instruction herein. It is not warranted to be suitable for any purpose or use other than the general purpose for which it is intended. Liability under this warranty is limited to the replacement of the product as purchased, if found to be defective upon inspection by the manufacturer. This limited warranty is issued and accepted in lieu of all other expressed warranties and explicitly excludes liability for consequential damages. Buyer assumes all risk and liability resulting from the use of this product.

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