Mul-Set and Coastal 90 Mortars

Product Data Sheet

Product Description

Developed to complement our Thermal Ceramics dense and insulating firebricks in various thermal, chemical, and physical service conditions. Available in wet and dry grades, mortars will provide the convenience you want with the performance you need for practically every high temperature refractory application.

Mul-Set™ F is a high alumina mortar suited for high temperature IFB linings.

Coastal 90™ and Coastal 90 AS are a wet and dry version of extra high alumina mortar. They are ideal for 90% alumina brick constructions.

Properties	Mul-Set F Wet	Mul-Set F Dry	Coastal 90	Coastal 90 AS	Coastal 95
Manufacturing location	Americas	Americas	Americas	Americas	Americas
Material Grade	Wet, air setting	Dry, air setting	Wet, air setting	Dry, air setting	Wet, air setting
Classification Temperature, normal oxidizing conditions, °C (°F)	1760 (3200)	1760 (3200)	1790 (3250)	1820 (3300)	1790 (3250)
Quantity required lb/1000 bricks NF1 size	353	308	240-320	450-550	240-320
Shelf life, months	6	12	6	12	6

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	Mul-Set F Wet	Mul-Set F Dry	Coastal 90	Coastal 90 AS	Coastal 95
Brick type, recommended for use	High Temp IFB, Insalcor, Firebrick	High Temp IFB, Insalcor, Firebrick	Firebrick, High Alumina Firebrick	Firebrick, High Alumina Firebrick	High Alumina Firebrick
Water %, recommended					
trowel	-	22	-	23	-
dip	-	37	-	45	-
Chemical composition, %					
Alumina, Al_2O_3	66	66	88	88	95.4
Silica, SiO_2	28	24	9	9	0.7
Ferric Oxide, Fe_2O_3	1.2	1.2	0.3	0.2	0.1
Titanium Oxide, TiO_2	2.2	2.2	0.3	0.1	-
Calcium Oxide + Magnesium Oxide, CaO + MgO	0.2	0.2	0.1	0.1	0.04
Alkalis as Na_2O and K_2O	2.2	3.2	2.2	2.2	

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