

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

Whilst the values and application information in this datasheet are typical, they are given for guidance only. The values and the information given are subject to normal manufacturing variation and may be subject to change without notice. Morgan Advanced Materials – Thermal Ceramics makes no guarantees and gives no warranties about the suitability of a product and you should seek advice to confirm the product's suitability for use with Morgan Advanced Materials - Thermal Ceramics.

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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 ₂ O ₃	66	66	88	88	95.4
Silica, SiO ₂	28	24	9	9	0.7
Ferric Oxide, Fe ₂ O 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	0.1	0.1	0.04
Alkalis as Na ₂ O and K ₂ O	2.2	3.2	2.2	2.2	

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