

Product Datasheet

MMP CAST CRETE SUPER

Brand Name: -	MMP CAST CRETE SUPER	
Type	70% AL Castable	
Nature of Bond	Hydraulic	
Installation	Vibration Casting	
Raw Material Base	Calcined Clay	
Max Service Temp.	1400 °C	
Max Grain Size	5 mm	
Water Required for Casting	12-14%	
Chemical Analyses: - (%)	Typical	Specification
Al ₂ O ₃ :	68-72%	70%
Fe ₂ O ₃ :	4.8-5.5	5.1
Physical Properties: -		
B. D (gm/cc) Drying at 110°C/24 hrs.	2.45-2.65	2.5
Cold Crushing Strength (Kg/cm²):		
Drying at 110°C/24 hrs.	35-45	38
Fired at 1100°C/3hrs.	18-28	25
Fired at 1450°C/3hrs.	35-47	43
Thermal Properties: -		
Refractoriness, Orton / °C		
PLC (%)		
Fired at 1350 °C /3hrs.	-0.30 to 0.30	-0.12
Fired at 1450 °C /3hrs.	-1.60 to 1.70	0.70

Packing: 25 Kg Bags

Storage Life: 9 Months

Delivery State: Dry

The data shown are based on average results on production samples and are subject to normal variation on individual tests hence cannot be taken as specification. Max and min. values are given separately for testing purpose.

Water requirements indicated are based on laboratory test conditions. Actual water requirement may vary subject to site conditions. The properties shown are for vibratory cast material only unless specified otherwise. All values are based on test results on standard bars of size 160x40x40 mm. Test methods are guided by and based on various Indian Standards (IS).

Product Datasheet

MMP CRETE NORMAL

Brand Name: -	MMP CRETE NORMAL
Type	45 % Alumina Dense Castable
Nature of Bond	Hydraulic
Installation	Patching
Max Service Temp.	1350 °C
Max Grain Size	5 mm
Water Required for Casting	14 - 18 %
Chemical Analyses: - (%)	Typical
Al ₂ O ₃ :	42.80
Fe ₂ O ₃ :	3.00
Physical Properties: -	
B. D (gm/cc) Drying at 110°C/24 hrs.	2.00
Cold Crushing Strength (Kg/cm²):	
Drying at 110°C/24 hrs.	210
Fired at 1100°C/3hrs.	150
Fired at 1300°C/3hrs	300
Permanent Linear Change (%)	
Fired at 800°C/3hrs.	-0.16
Fired at 1100°C/3hrs.	-0.32
Fired at 1300°C/3hrs.	-0.90

Packing: 25 Kg Bags

Storage Life: 9 Months

Delivery State: Dry

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Water requirements indicated are based on laboratory test conditions. Actual water requirement may vary subject to site conditions. The properties shown are for vibratory cast material only unless specified otherwise. All values are based on test results on standard bars of size 160x40x40 mm. Test methods are guided by and based on various Indian Standards (IS).

Product Datasheet

MMP CRETE SUPER(II)

Brand Name: -	MMP CRETE SUPER (II)	
Type	60 % Alumina Castable	
Nature of Bond	Hydraulic	
Installation	Vibration Casting	
Raw Material Base	Calcined Clay	
Max Service Temp.	1400 °C	
Max Grain Size	5 mm	
Water Required for Casting	12-14%	
Chemical Analyses: - (%)	Typical	Specification
Al ₂ O ₃ :	52-55	52.0 Min
Fe ₂ O ₃ :	3.0-3.5	3.5 Max
Physical Properties: -		
B. D (gm/cc) Drying at 110°C/24 hrs.	2.22	2.20 Max
Cold Crushing Strength (Kg/cm²):		
Drying at 110°C/24 hrs.	310	300 Min
Fired at 800°C/3hrs.	--	--
Fired at 1100°C/3hrs.	220	--
Fired at 1350°C/3hrs.	350	300 Min
Fired at 1450°C/3hrs.	--	--
Thermal Properties: -		
Refractoriness, Orton / °C	--	--
PLC (%)		
Fired at 800°C/3hrs.	--	--
Fired at 1100°C/3hrs.	--	±1.5 Max
Fired at 1350°C/3hrs	-1.10	--
Fired at 1450°C/3hrs.	--	--

Packing: 25 Kg Bags

Storage Life: 9 Months

Delivery State: Dry

The data shown are based on average results on production samples and are subject to normal variation on individual tests hence cannot be taken as specification. Max and min. values are given separately for testing purpose.

Water requirements indicated are based on laboratory test conditions. Actual water requirement may vary subject to site conditions. The properties shown are for vibratory cast material only unless specified otherwise. All values are based on test results on standard bars of size 160x40x40 mm. Test methods are guided by and based on various Indian Standards (IS).