JAJOO CHEMICAL GROUP

JCG

JAJOO

A Mark of Excellence

(SINCE 1985)

JAJOO GROUP OF INDUSTRIES

MINING, MANUFACTURING AND PROCESSING OF CHEMICALS & MINERALS

OUR MISSION

TO HELP EVERY CUSTOMER
HAVE A POSITIVE MEMORABLE
EXPERIENCE

OUR VISION

TO HAVE A POSITIVE IMPACT ON
THE LIVES OF OUR CUSTOMERS
AND OUR TEAM

OUR VALUE

TO BE OPEN, HONEST
AND FAIR-WHATEVER WE DO
WE DO IT RIGHT AND
WE DO IT TOGETHER

TOWARDS ZERO EMISSIONS IN MANUFACTURING

Zero water
waste

Zero
emissions

Zero energy
waste

ABOUT THE JAJOO GROUP OF INDUSTRIES

The Foundation stone of Jajoo Group of Industries of Industries was laid down in 1985.

The Group started working as a manufacturer, trader & exporter of Acidic Silica Ramming Mass (Quartz Powder), Ferro Alloys, and Refractory Materials of various types catering to the needs of steel manufacturing, engineered stone, glass, and ceramics industries around the world.

The Group is a financially sound & privately held family-owned entity operated & managed by qualified Chartered Accountants at the helm carrying over 39 years of rich experience & new generation MBA professionals with the support of competent back office employees.

Our scientists, process engineers, application chemists and supply chain experts are constantly seeking new ways to add value to your processes and products. There is simply no other company that can duplicate our technology, match the quality of our products or exceed our commitment to you.

Since JAJOO'S founding, our understanding and innovative development of technology has resulted in decades of multi functional performance advancements. It is all supported by auditable and traceable supply chains-and robust technical, manufacturing expertise-giving our customers the utmost in quality condense and peace-of-mind.

We ensure sustainable manufacturing at its finest for the creation of manufactured products through economically-sound processes that minimize negative environmental impacts while conserving energy and natural resources. Our sustainable manufacturing also enhances employee, community and product safety.

The Group has diversified its interest in the sector of Renewable energy and established & MW Solar Power Plant in the State of Rajasthan (India) with further expansion in the planning.

The Group at present has a turnover of more than US$ 80 Million annually.

PRODUCT RANGE

QUARTZ POWDER (RAMMING MASS)

We are having our own silica rich, Snow White quartz mines in Rajasthan, Jharkhand, West Bengal and Africa. We are supplying quality quarts powder products all over the world. The group has State of the Art manufacturing plant for Ramming mss operated by qualified technologists having knowledge and vast experience of Refractory and its behavior. We are specialist in manufacturing of Premix Ramming mass which contains binder-Boric Acid/Boron Oxide, mixed with pre heated Ramming Mass. We recommend using our Ramming Mass (Premix), which has been demonstrated to be a solid performer with a long lining life, lowering production costs.

RAMMING MASS (POST-MIX)

Silica Sio_2	98.5-99.2%
Alumina Al_2O_3	0.04%
Ferric Oxide Fe_2O_3	0.04%
Titanium Dioxide Tio-2c	0.08%
Magnesium Oxide Mgo	0.11%
Sodium Oxide Na-2o	0.05%
Loss on Ignition	0.08%
Sintering Temperature	1200°c App
Approximate Temperature	1700 c

RAMMING MASS (PRE-MIX)

Silica Sio_2	98.27%
Alumina Al_2O_3	0.04%
Ferric Oxide Fe_2O_3	0.04%
Titanium Dioxide Tio-2c	0.08%
Magnesium Oxide Mgo	0.11%
Sodium Oxide Na-2o	0.05%
Boric Acid H_3BO_3	
Loss on Ignition	0.08%
Sintering Temperature	1200°c App
Approximate Temperature	1700 c

Customizable to client specifications, we also manufacture Ramming Mass for Chinese furnaces with a guarantee of higher life and consistent performance.

FERRO ALLOYS

We own manufacturing unit for Ferro alloys (Silico Manganese, Ferro Manganese, Ferro Silicon & Ferro Chrome). Our product range is available in several shapes & form factors with a consolidated production capacity of 10,000 M.T. annually.

SILICO MANGANESE HC

SiMn	60/14	65/16
Mn	60-65%	65-70 %
Si	14-17%	16-18%
C	2.5% Max	2% Max
S	0.35% Max	0.25% Max
P	0.05% Max	0.04% Max

FERRO MANGANESE HC

HC FeMn	65%	70%	75%
Mn	65% Min.	70 % Min.	75% Min.
Si	2% Max	2% Max	1.5% Max
C	6-8%	6-8%	6-8%
S	0.05% Max	0.05% Max	0.04% Max
P	0.35% Max	0.35% Max	0.25% Max

FERRO SILICON

FeSi	70%	75%
Si	70%	75 %
Al	2% Max	1.5% Max
C	0.2% Max	0.2% Max
S	0.035% Max	0.035% Max
P	0.045% Max	0.045% Max

FERRO CHROME

H.C. FeCr	60%
Cr	60% Min. (Pro-rata basis)
Si	4% Max.
C	6-8% Max.

REFRACTORIES

CASTING POWDER

SiO_2	30-33%
CaO	28-30%
Al_2O_3	4-6%
Na_2O/K_2O	5-7%
MgO	2-4%
Li_2O	1-1.5%
B_2O_3	1-2%
C free	18-22%

Melting Point (+/-20°C) : 1004°C

Viscosity at 1300°C : 4-6 Poise

NOZZLE FILING COMPOUND

Cr_2O_3	35 to 40%
SiO_2	20 to 25%
Fe_2O_3	6.1 to 9.0%
Al_2O_3	6 to 10%
MgO	1.8 to 5 %
FC	less than 1.0%
Moisture	Less than 0.50%,
Bulk Density	2.5-3gm/cc (Max %)
Grain Size	0.5 to 1.5 mm (±1%)

Physical Shape : Round

CALCINED PETROLEUM COKE (CPC)

FC: 98.5% MIN.
ASH: 0.50%MAX
S: 1%MAX.
MOISTURE: 0.50%MAX.

REMIX - 45

Alumina ($A1_2O_3$)60% Min.
Amuminium : 20% Max.
Silica (SiO_2) : 10% Max.

QUARTZ MINING, PROCESSING, AND BENEFICIATION

Quartz is an important mineral used in 100s of industries like glass, electronics and electrical appliances, optical fiber semiconductors, water treatment, mechanical casting, artificial quartz stone, daily ceramics, metallurgy, super hard materials, chemical industry, cement, paint, rubber, filter media, railroad, and mining industries. Quartz in different forms or grain distribution matrices with varied qualities is used in different types of industries.

Recently our company has acquired mines in Udaipur, Rajasthan where pure white quartz lumps are found in abundance. Along with it we have also started processing this material into specific grain sizes and quality distribution. Although the process is primarily focused on producing Engineered Quartz slabs and countertops, we cater to the requirements of all industries.

The Processing takes place under advanced machineries such as an In-line optical camera sorting system, Stone-to-stone crushing, unique distribution on the base of particle size, and a High Powder Roller Magnetic System that removes magnetic material, if any. The entire processing makes sure to rid the product of Big Particles, rubber particles, or foreign particles.

QUARTZ GRAINS/POWDER

LOI (%)	0.060
2 Cao (%)	0.10
Fe_2O_3	<1%
Mgo (%)	0.08
Cr_2O_3	0.01 BDL
Al_2o_3 (%)	0.05
Tio_2 (%) <	0.01
SiO_2	>99%
Whiteness (%)	80-99

SIZE CHART

0.1 mm - 0.4 mm
0.1 mm - 0.3 mm
0.3 mm - 0.7 mm
0.6 mm - 1.2 mm
2.5 mm - 4.0 mm
4.0 mm - 6.0 mm
Filler 38 Microns
Filler 45 Microns
80-200 Mesh

TITANIUM DIOXIDE (TiO2) – RUTILE

It is a multipurpose rutile titanium dioxide pigment manufactured by the chloride process for both interior and exterior coating applications, helps in masking dull colors and enhance the tint strength of pigments. We trade and stock TiO2 powder used in industries like Ink, Paint, Rexene, Leather, Powder Coatings, Plastic, Masterbatches, Road Marking Paint, Cosmetics, Engineered Stones, Ceramics, etc.

COMPANY/BRAND	GRADES
Chemours/Dupont (USA)	R902+, 104, 105
Shandong Dawn (China)	R2195, R2196
Shandong Jinhai (China)	R 6618, 6628, 6658, 9954
KMML (India)	RC822, PG 800
Venetor (Malaysia)	TR 92
Tronox (Australia)	iONA 8400, 826, 828, 288
Cristal Tikon (China)	TR 33, 36
Lomon Billions (China)	BLR 886, 996, 818, 688, 895, 108
OTHERS	PEKIN CHEM – CHTi R 213 TAIHAI THR 218 PANGANG VANADIUM 298

SILANE COUPLING AGENT

It improves the moisture-repellent capabilities of engineered stone. It helps in improving mechanical properties and adhesion. It is used for resin and surface modification. It is widely used in making inorganic-organic hybrid material giving antistatic and antibacterial properties to the stone.

Sinograce Chemical (China)	KH 570, SFX 570
Shin-Etsu (Japan)	KBM 5103, KBE 503, KBM 402

JAJOO GROUP OF INDUSTRIES

WORLDWIDE SHIPPING

JAJOO GROUP OF INDUSTRIES has created its image in domestic as well as international market by supplying its quality products around the globe.

Proving our mettle in the Indian subcontinent has consolidated our forte.

With a supreme repertoire of Ferro assortments, we have spread the wings of our expertise over the world.

Our exemplary quality has bloomed in the shores of many countries and many more are craving for the touch of brilliance only we can provide. Besides domestic market in India, we are catering our products to reputed steel plants in the Indian subcontinent, Iran, Turkey, CIS Countries, Middle East & Gulf, West, Central & East African countries and European Countries.

We are a group offering single window solutions to our reputed customers and earning their valuable satisfaction in terms of repeated orders and increasing business volume, which is as desirable achievement of any business group.

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Company Name	Products Manufactured	Location
Jajoo Chemical Industries (Manufacturer)	Quartz Powder	Jaipur, India
Jajoo Rashmi Refractories Pvt. Ltd. (Manufacturer & Exporter)	Refractory Manufacturers Eco Power Generation Plant	Jaipur & Hyderabad, India
Jajoo Rashmi Refractories Pvt. Ltd. - 2	Ramming Mass, Quartz powder, NFC, CPC	Asansol, West Bengal, India
Jajoo Exim Pvt. Ltd. - 1 (Manufacturer & Exporter)	Silica Ramming mass, NFC, Casting Powder Tundish Boards	Jaipur, India
Jajoo Exim Pvt. Ltd. - 2	Quartz Grains & Powder, Titanium Dioxide Talcum Powder, feldspar, China Clay	Udaipur, India
V.A. Power & Steel Pvt. Ltd. (Manufacturer)	Ferro Alloys	Raigarh-Chhattisgarh, India.
Jajoo Rashmi Refractories Pvt. Ltd. - 3	Manganese Ore and Quartz Mining	Udaipur, Rajasthan

Presence of
JAJOO GROUP IN WORLD

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JAJOO GROUP OF COMPANIES

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Dalmia Bharat Group | DMC.

High Performance High Quality refractory Products for

Steel, Cement & Non-Ferrous Industry


DALMIA MAGNESITE CORPORATION
SALEM
Dead Burnt Magnesite Plant
Inaugurated By
THE HON'BLE SHRI M BHAKTAVATSALAM
(Minister for Home Affairs
Government of Madras)
ON DECEMBER 28 1958

A PIONEER IN REFRACTORIES

Dalmia Bharat Refractories Limited (DBRL)
Trusted Partner for Refractories Since 1984

DBRL is a leading name in the refractory industry, known for its commitment to **quality, innovation, and customer satisfaction** and it is a part of India's illustrious $1.7 billion Dalmia Bharat Group.

Now operating under the brand **DMC**. with operations at Dalmia Magnesite Corporation in **Salem, Tamil Nadu,** and **also a plant** in **China**, DBRL serves both domestic and global markets with world-class magnesia-based refractory bricks and monolithics.

DBRL specializes in manufacturing of high-quality Magnesite-based refractories such as Magnesia Carbon bricks and ramming, patching and gunning masses for induction, ladle and electric arc furnaces, as well as spray mixes for the steel tundish. DBRL at salem plant also manufactures Alumina Castable for both cement and steel industry.

Over the years, Dalmia Magnesite Corporation has created a unique place for itself and it enjoys a special reputation among customers it serves, for premium high-quality high-performance products. It is India's only enterprise with captive Magnesite and Dunite mines with annual capacities of 61,000 MT and 1,40,000 MT respectively, spread over an area nearly 500 hectares in size.

The Salem plant is India's first and only heavy media beneficiation plant for refractory minerals and has two oil-fired high temperature rotary kilns, a modem mill house for basic monolithics production, and a modern Magnesia Carbon bricks manufacturing facility. All this makes it a boutique-like source, which can even customise solutions thanks to the R&D support available via Dalmia Institute of Scientific & Industrial Research (DISIR).

Dalmia Bharat Group | DMC.

Our Product Portfolio for the

Steel Industry

Magnesia Carbon Bricks for Ladles & Furnaces

DMC offers a variety of high performing resin-bonded Magnesia Carbon bricks for working lining of steel making ladles & furnaces. These bricks are made from high grade Magnesia, flaky graphite and are characterised by excellent strength and slag corrosion resistance at high temperatures.

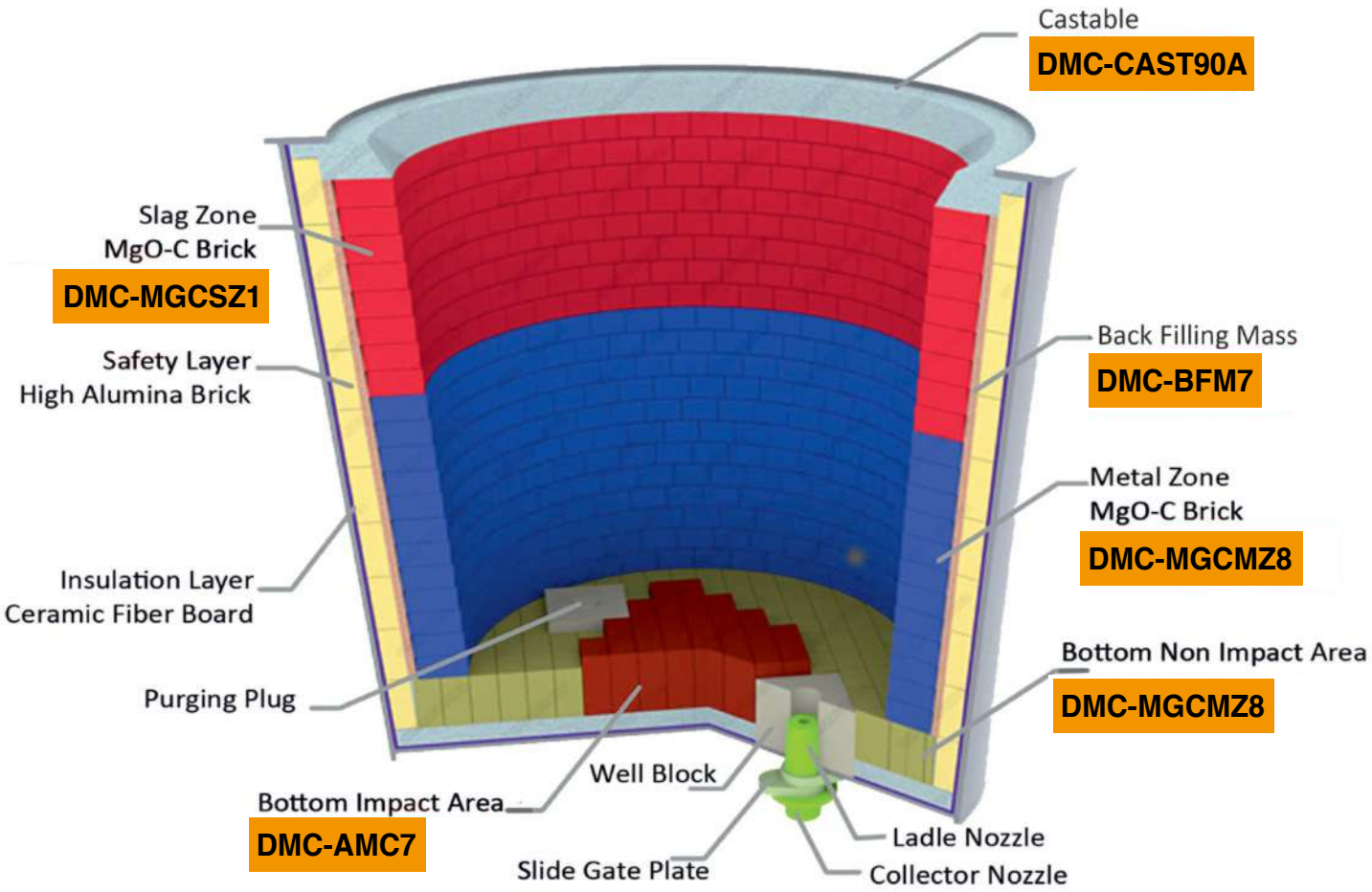
Brand	AP (%)	BD (g/cc)	CCS (kg/cm^2)	RC (%)	MgO % (used)	Service temp. °C
DMC-MGC5F1	3	3.04	450	5	96.5	1750
DMC-MGC5F2	3	3.05	500	5	97.0	1750
DMC-MGC5F3	3	3.05	500	5	97.5	1750
DMC-MGC7F2	3	3.03	450	7	97.0	1750
DMC-MGCMZB	3	3.03	440	10	97.0	1750
DMC-MGCMZ2D	4	3.02	450	11	97.2	1750
DMC-MGCSZ10E	3	3.02	430	14	97.6	1750
DMC-MGCSZ11D	3	3.02	450	14	97.5	1750
DMC-MGCMZ11G	3	3.02	440	10	97.2	1750
DMC-MGCML2	3	3.00	460	9	97.0	1750
DMC-MGCSZ1	3	3.02	450	13	97.5	1750
DMC-MGCSZBA	3	3.02	400	14	97.5	1750
DMC-MGCMZ10G	3	3.01	430	10	97.2	1750
DMC-MGCMZ10F1	3	3.01	400	10	96.5	1750
DMC-MGCMZ10F2	3	3.02	400	10	97.0	1750
DMC-MGCMZ10F3	3	3.02	400	10	97.5	1750
DMC-MGC10A1	4	3.00	400	10	97.0	1750
DMC-MGCZ10H	3	3.02	400	10	98.0	1750
DMC-MGC15AF1	3	3.00	400	12	96.5	1750
DMC-MGC15AF2	3	3.00	400	12	97.0	1750
DMC-MGC15AF3	3	3.00	400	12	97.5	1750
DMC-MGC15A1	4	2.98	400	12	97.0	1750
DMC-MGCSZ15F2	3	3.00	400	14	97.0	1750
DMC-MGCSZ15F3	3	3.00	400	14	97.5	1750
DMC-MGCSZ15F4	3	3.00	400	14	98.0	1750
DMC-MGC20F1	4	2.92	350	18	96.5	1750
DMC-MGC20F2	3	2.95	350	18	97.0	1750
DMC-MGC10FB	4	2.95	400	9	96.0	1750
DMC-MGC10FB1	3	3.00	400	9	97.0	1750

Design Manufacturing Application Management

Qualities can be customised as per customer requirements

Alumina Magnesia & Magnesia Alumina Carbon Brick

Brand	Al_2O_3 (%)	MgO (%)	BD (gm/cc)	CCS (kg/cm2)	RC (%)	AP (%)	Service Temp. °C
DMC-AMC2	75	10	3.05	450	7	3	1750
DMC-AMC3	80	11	3.12	470	7	3	1750
DMC-AMC5	70	11	3.12	460	7	3	1750
DMC-AMC7	83	11	3.12	450	8	3	1750
DMC-MAC8	10	75	3.05	440	9	3	1750



Design Manufacturing Application Management

Qualities can be customised as per customer requirements

Basic Monolithics for Ladles & Furnaces

DMC produces a wide range of basic monolithics like ramming masses, gunning masses, filling masses and hot patching masses for use in ladle, EAF, BOF, EOF, RH degasser etc. The gunning masses are characterised by good stickability, low rebound loss and high corrosion and erosion resistance, while hot patching masses have high flowability and stickability. DMC's ramming masses are widely accepted for their high sinterability, superior bonding strength, volume stability and corrosion resistance. Back filling masses show very low shrinkage caking property resulting in prevention of metal penetration. DMC also supplies EBT filling masses with easy free opening.

Wet Ramming Mass

Brand	MgO % (min)	SiO_2 % (max)	Fe_2O_3 % (max)	Cr_2O_3 %	Bond Type	Grain Size (mm)	BD at 110°C/2hrs (gm/cc)	BD at 1550°C (gm/cc)	Sintering Temp. °C	Service Temp. °C
DMC - 9520	92-94	-	-	1.2-1.5	Chemical/ Ceramic	0-4	2.80-2.85	2.95-3.10	1200-1400	1750
DMC-TAPRAM95S	92	3.0	2.0	-	Chemical/ Ceramic	0-5	2.85-2.90	2.95-3.00	1200-1400	1750
DMC-TAPRAM95	90-93	3.0	2.0	-	Chemical/ Ceramic	0-5	2.85-2.90	2.95-3.00	1200-1400	1750
DMC - 9020	90	-	-	1.2-1.3	Chemical/ Ceramic	0-4	2.75-2.85	2.95-3.10	1200-1400	1750
DMC - C4C4	84	-	-	-	Chemical/ Ceramic	0-4	2.7-2.8	2.90-3.00	1200-1400	1750

Gunning Mass for Ladle/Furnaces & RH Degasser

Brand	MgO % (min)	SiO_2 % (max)	Fe_2O_3 % (max)	Cr_2O_3 % (min)	Bond Type	Grain Size (mm)	BD at 110°C/2hrs (gm/cc)	PLC at 1600°C/3 Hrs.(Max.)	Sintering Temp. °C	Service Temp. °C
DMC-RHGUN85	85	6.0	0.8	-	Chemical	0-3	2.30	-3.0	1100	1700
DMC-GUN8	80	-	2.5	-	Chemical	0-3	-	-3.0	1100	1700
DMC-GUN8A	85	-	2.5	-	Chemical	0-3	-	-2.5	1100	1700
DMC-GUN9	92	4.0	1.5	-	Chemical	0-3	2.50	-2.0	1100	1700
DMC-GUNKOTE8	80	-	2.0	-	Chemical	0-3	-	-3.0	1100	1700
DMC-GUN8C	80	10	2.0	1.5	Chemical	0-3	2.20	-2.5	1100	1700

Design Manufacturing Application Management

Qualities can be customised as per customer requirements

Back Filling Mass

Brand	MgO % (min)	SiO_2 % (max)	Fe_2O_3 % (max)	Bond Type	Grain Size (mm)	Sintering Temp. °C	Service Temp. °C
DMC-BFM-4	45	40	10	Chemical/ Ceramic	0-4	800-1100	1750
DMC-BFM-6	60	25	8	Chemical/ Ceramic	0-4	800-1100	1750
DMC-BFM-6A	65	25	7	Chemical/ Ceramic	0-4	800-1100	1750
DMC-BFM-7	68	23	5	Chemical/ Ceramic	0-4	800-1100	1750
DMC-BFM-8	80	10	2.0	Chemical/ Ceramic	0-4	800-1100	1750
DMC-BFM-9	88	7	2.0	Chemical/ Ceramic	0-4	800-1100	1750

Hot Patching Mass

Brand	MgO % (min)	RC % (min)	Grain Size (mm)	Bond Type	Initial Setting Temp. °C	Sintering Temp. °C	Application Temp. °C
DMC-CARBPATCH8	80	10	0-6/0-3	Thermal / Ceramic	800-1000	1500-1550	1700
DMC-CARBPATCH8A	85	12	0-6	Thermal / Ceramic	800-1000	1500-1550	1700

EBT Filling Mass

Brand	MgO % (min)	SiO_2 %	Bond Type	Grain Size (mm)	Service Temp. °C
DMC-TAP4	45	-	Free Opening	2-8	1600
DMC-TAP7A	78	12	Free Opening	2-8	1650
DMC-TAP8	80	-	Free Opening	2-8	1650

Design Manufacturing Application Management

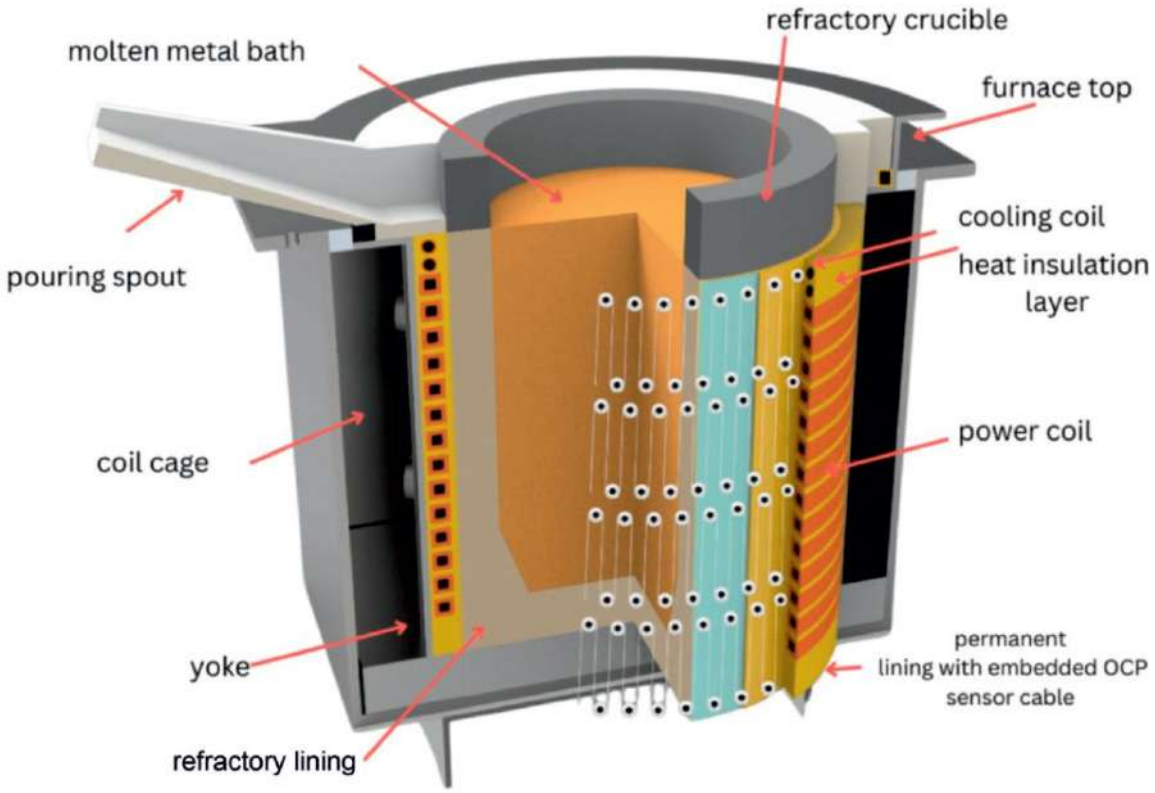
Qualities can be customised as per customer requirements

Monolithics for Induction Furnaces

DMC produces a variety of Dry Basic / Netural Ramming and Patching Masses for use in Induction furnaces operating with both alloy and mild steel. These masses are made from high quality Dead Burnt Magnesia clinker in association with either Alumina or Chrome facilitating Spinel formation which in turn gives better erosion and corrosion resistance. High grade neutral ramming and patching mass made from special Alumina and Spinel is also being offered for special purpose use as per need.

Basic Ramming Mass

Brand	MgO % (min)	Fe_2O_3 % (max)	Al_2O_3 %	Cr_2O_3 %	Bond Type	Grain Size (mm)	BD at 110°C (gm/cc)	Sintering Temp. °C	Service Temp. °C
DMC-RAM8006	78	-	-	5-7	Ceramic	0-4	2.50-2.60	1200-1400	1750
DMC-RAM8008	78	-	-	7-9	Ceramic	0-4	2.50-2.60	1200-1400	1750
DMC-RAM8404	82	-	-	3-5	Ceramic	0-4	2.50-2.60	1200-1400	1750
DMC-RAM8060	80	-	4-6	-	Ceramic	0-4	2.50-2.60	1200-1400	1750
DMC-RAM8080	80	-	6-9	-	Ceramic	0-4	2.50-2.60	1200-1400	1750
DMC-RAM8440	84	-	3-5	-	Ceramic	0-4	2.50-2.60	1200-1400	1750
DMC-RAM8020	80	-	1-2	-	Ceramic	0-4	2.50-2.60	1200-1400	1750
DMC-RAM9010	90	1.5	-	-	Ceramic	0-4	2.50-2.60	1300-1500	1750



Design Manufacturing Application Management

Qualities can be customised as per customer requirements

Basic Patching Mas

Brand	MgO % (min)	Fe$_2$O$_3$ % (max)	Al$_2$O$_3$ %	Cr$_2$O$_3$ %	Bond Type	Grain Size (mm)	Service Temp. °C
DMC- PATCH8006	78	-	-	5-7	0-4	Ceramic/Chemical	1750
DMC- PATCH8008	78	-	-	7-9	0-4	Ceramic/Chemical	1750
DMC- PATCH8404	82	-	-	3-5	0-4	Ceramic/Chemical	1750
DMC- PATCH8060	80	-	4-6	-	0-4	Ceramic/Chemical	1750
DMC- PATCH8080	80	-	6-9	-	0-4	Ceramic/Chemical	1750
DMC- PATCH8440	84	-	3-5	-	0-4	Ceramic/Chemical	1750
DMC- PATCH8020	80	-	1-2	-	0-4	Ceramic/Chemical	1750
DMC- PATCH9010	90	1.5	-	-	0-4	Ceramic/Chemical	1750

Neutral Ramming Mass

Brand	Al$_2$O$_3$ %	Fe$_2$O$_3$ % (max)	MgO %	Cr$_2$O$_3$ %	Bond Type	Grain Size for Ramming mass (mm)	BD at 110°C (gm/cc)	Sintering Temp. °C	Service Temp. °C
DMC-RAM1585(N)	84-86	-	14-16	-	Ceramic	0-8	2.80-3.0	1200-1400	1750
DMC-RAM1585(NF)	84-86	-	14-16	-	Ceramic	0-4	2.80-3.0	1200-1400	1750
DMC-RAM1585(NM)	84-86	-	14-16	-	Ceramic	0-5	2.80-3.0	1200-1400	1750
DMC-RAM1585(NCR)	82-84	-	10-12	2-3	Ceramic	0-4/0-8	2.80-3.0	1200-1400	1750

Neutral Patching Mass

Brand	Al$_2$O$_3$ %	Fe$_2$O$_3$ % (max)	MgO %	Cr$_2$O$_3$ %	Bond Type	Grain Size for Ramming mass (mm)	Service Temp. °C
DMC-PATCH1585 (N)	84-86	-	14-16	-	0-4	0-1 / 0-0.09	1750
DMC-PATCH1585(NCR)	82-84	-	10-12	2-3	0-4	0-1 / 0-0.09	1750

Basic Coil Coating Material

Brand	MgO % (min)	Bond Type	Grain Size (mm)	Sintering Temp. °C
DMC-COILCOAT8	80	Ceramic/Chemical	0-1	1300

Design Manufacturing Application Management

Qualities can be customised as per customer requirements

Monolithics for Tundish

DMC has a variety of spray masses for use in tundish. These spray masses show good sintering characteristics at low temperatures and also have good erosion and corrosion resistance at working temperature.

Spray Mass for Tundish

Brand	MgO % (min)	SiO$_2$ % (max)	Fe$_2$O$_3$% (max)	Bond Type	Grain Size (mm)	BD at 110°C (kg/M3) (Min.)	BD at 1550°C/3hrs (kg/M3) (Max.)	PLC at 1600°C (Max.)	Sintering Temp. °C	Application Temp. °C
DMC- TSM 5500	52	36	8	Chemical	0-0.5	1800	-	-3.5	750	1600
DMC-TSM 6000	57	31	8	Chemical	0-0.5	1800	-	-3.5	750	1600
DMC-TSM 6500	62	30	6	Chemical	0-0.5	1800	1850	-3.0	750	1600
DMC-TSM 7000	66	25	5.5	Chemical	0-0.5	1800	1850	-3.0	750	1650
DMC-TSM 7200	72	17	5	Chemical	0-0.5	1850	1900	-5.0	750	1650
DMC-TSM 8000	78	16	5	Chemical	0-0.5	1850	1900	-5.0	750	1650
DMC-TSM 8500	82	14	4	Chemical	0-0.5	1850	1900	-5.0	750	1700
DMC-TSM 9000	85	7	3	Chemical	0-0.5	1850	1900	-5.0	750	1700

Design Manufacturing Application Management

Qualities can be customised as per customer requirements

Alumina Castables

DMC castables are known for their versatility and is a commonly used refractory material in a semi-liquid state during installation. The castable can be shaped and installed to create refractory linings and structures in various high-temperature applications.

Conventional Castables

Brand	Al_2O_3 %	Fe_2O_3 %	BD at 110°C /24hrs (gm/cc)	CCS at 110°C /24hrs (Kg/cm²)	CCS at 1350°C /3hrs (Kg/cm²)	CCS at 1500°C /2hrs (Kg/cm²)	PLC at 1350°C /3hrs (%)	PLC at 1500°C /2hrs (%)	Grain Size (mm)	Service Temp. °C	Application
DMC-CAST95A	92-95	1.0-1.5	2.85-3.0	600-700	-	650-800	-	(-)1.2-(-)2.5	0-5	1700	Steel Furnaces / Ladles / Foundry / Cement Industry / Petro chemical / Power / Incinerators / Non-Ferrous Industries / Aluminium Industries
DMC-CAST90A	88-90	1.2-1.8	2.65-2.80	600-700	-	650-800	-	(-)1.2-(-)2.5	0-5	1700	
DMC-CAST80M	78-80	1.5-2.0	2.50-2.65	550-600	-	550-750	-	(-)1.2-(-)2.5	0-5	1600	
DMC-CAST70	68-70	3.2-4.0	2.40-2.60	350-450	350-475	-	(-)1.6-(+)1.7	-	0-5	1600	
DMC-CAST60	58-60	3.5-4.5	2.25-2.40	250-350	225-325	-	(-)1.5-(+)1.8	-	0-5	1400	
DMC-CAST50	48-50	3.5-5.0	2.00-2.15	250-375	300-350	-	(+)0.3-(+)1.35	-	0-5	1400	
DMC-HAC 8500	85-88	1.2-1.8	2.65-2.80	600-659	-	650-750	-	(-)1.2-(-)2.5	0-5	1700	

Low Cement Castables

Brand	Al_2O_3 %	Fe_2O_3 %	BD at 110°C /24hrs (gm/cc)	CCS at 1350°C /24hrs (Kg/cm²)	CCS at 1400°C /3hrs (Kg/cm²)	CCS at 1500°C /2hrs (Kg/cm²)	PLC at 1400°C /3hrs (%)	PLC at 1500°C /2hrs (%)	Grain Size (mm)	Service Temp. °C	Application
DMC-LCCAST95	92-95	1.0-1.3	2.95-3.15	800-1100	-	1100-1300	-	(+)0.5-(-)1.5	0-5	1800	Steel Furnaces / Ladles / Foundry / Cement Industries / Petrochemical / Power / Incinerators / Non-Ferrous Industries / Aluminium Industries
DMC-LCCAST90	88-90	0.9-1.5	2.95-3.10	800-1000	-	1100-1250	-	(-)1.8-(-)0.5	0-5	1700	
DMC-LCCAST80	78-80	1.3-1.5	2.80-3.00	750-1050	-	1100-1200	-	(-)1.8-(-)0.5	0-5	1700	
DMC-LCCAST70	68-70	1.3-1.5	2.60-2.80	600-850	-	850-1100	-	(-)1.8-(-)0.6	0-5	1700	
DMC-LCCAST60	58-60	1.3-1.5	2.50-2.60	500-650	-	700-850	-	(-)1.5-(+)1.8	0-5	1600	
DMC-LCCAST50	48-50	1.3-1.5	2.30-2.50	400-600	600-700	-	(+)0.3-1.3	-	0-5	1550	

DRI Castables

Brand	Al_2O_3 %	Fe_2O_3 %	BD at 110 °C / 24hrs (gm/cc)	CCS at 110 °C / 24hrs (Kg/cm²)	CCS at 1500 °C / 3hrs (Kg/cm²)	PLC at 1500 °C / 3hrs (%)	Grain Size (mm)	Service Temp. °C	Application
DMC-DRI 80	78-80	1.0-1.2	2.70-2.80	750-950	950-1100	(-)1.1-(+)1.5	0-5	1700	DRI Kilns
DMC-DRI 75	72-75	1.0-1.2	2.60-2.75	700-900	950-1100	(-)1.8-(-)0.5	0-5	1700	
DMC-DRI 60A	57-61	1.0-1.3	2.48-2.62	650-850	920-1050	(-)1.1-(+)1.5	0-5	1600	

Alumina Coil Coat

Brand	Al_2O_3 %	Fe_2O_3 %	BD at 110 °C / 24hrs (gm/cc)	CCS at 110 °C / 24hrs (Kg/cm²)	CCS at 1500 °C / 3hrs (Kg/cm²)	PLC at 1500 °C / 3hrs (%)	Grain Size (mm)	Service Temp. °C	Application
DMC-COILCOAT S	85-90	1.0-1.5	-	-	-	-	0-1	1750	Furnaces / Foundry / Aluminium & Non-Ferrous Industries
DMC-COILCOAT A	82-87	1.0-1.7	-	-	-	-	0-1	1650	

Special Castables

Brand	Al_2O_3 % (min)	Fe_2O_3 % (max)	Cr_2O_3 % (min)	BD at 110°C /24hrs (gm/cc) (min)	CCS at 110°C /24hrs (Kg/cm²) (min)	CCS at 1550°C /3hrs (Kg/cm²) (min)	PLC at 1500°C/ 3hrs (%)	Bond Type	Grain Size (mm)	Service Temp. °C	Application
DMC-EXCELCAST80S	80	1.5	2.0	2.9	650	1000	±1.0	Hydraulic	0-8	1750	EAF Delta Roof & VD
DMC-EXCELCAST90S	88	1.0	-	3.05	700	900	±0.5	Hydraulic	0-6	1750	
DMC-EXCELCAST90SF	86	1.0	2.0	3.05	700	900	±0.5	Hydraulic	0-6	1750	

Gunning Castables

Brand	Al_2O_3 % (min)	Fe_2O_3 % (max)	Cr_2O_3 % (min)	BD at 110°C /24hrs (gm/cc) (min)	CCS at 110°C /24hrs (Kg/cm^2) (min)	CCS at 1450°C /3hrs (Kg/cm^2) (min)	PLC at 1500°C/ 3hrs (%)	Bond Type	Grain Size (mm)	Service Temp. °C	Application
DMC-EXCELCAST55G	55	1.0	-	2.2	300	500	±1.0	Hydraulic	0-3	1600	Steel Furnaces and Ladles
DMC-EXCELCAST60G	60	1.0	-	2.3	400	600	±1.0	Hydraulic	0-3	1600	

Design Manufacturing Application Management

Qualities can be customised as per customer requirements

Mortar

Alumina Mortar

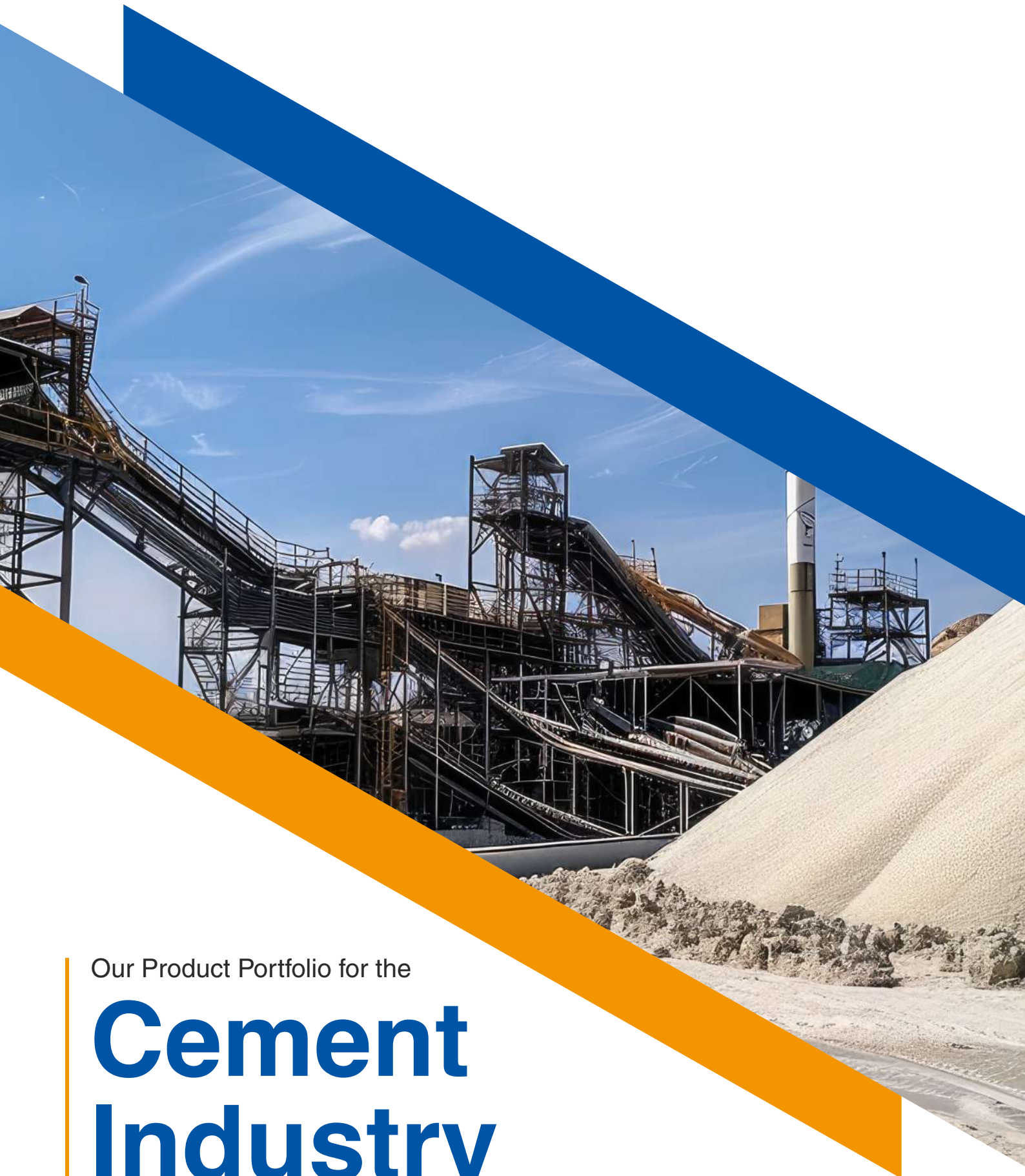
Brand	Al_2O_3 % (min)	Fe_2O_3 % (max)	Cr_2O_3 % (min)	PCE (ORTON)	Bond Type	Grain Size (mm)	Service Temp. °C
DMC-FIX 90C	88	0.8	2.0	+38 (+1835°C)	Ceramic/Chemical	0-0.3	1750
DMC-SET 90K	90	0.8	2.0	+38 (+1835°C)	Ceramic/Chemical	0-0.3	1750
DMC-SET A80	77	2.5	-	+37 (+1820°C)	Ceramic/Chemical	0-0.5	1600
DMC-SET A70	65	2.5	-	+36 (+1800°C)	Ceramic/Chemical	0-0.5	1600
DMC-SET A60	60	2.5	-	+20 (+1564°C)	Ceramic/Chemical	0-0.5	1600
DMC-SET A50	50	2.8	-	+20 (+1564°C)	Ceramic/Chemical	0-0.5	1600

Magnesite Mortar

Brand	MgO % (min)	Fe_2O_3 % (max)	Cr_2O_3 % (min)	PCE (ORTON)	Bond Type	Grain Size (mm)	Service Temp. °C
DMC-MGTM1	85	-	-	+38 (+1835°C)	Ceramic/Chemical	0-0.5	1750
DMC-MGTM2	80	-	-	+37 (+1820°C)	Ceramic/Chemical	0-0.5	1750
DMC-MGTM3	75	-	-	+36 (+1800°C)	Ceramic/Chemical	0-0.5	1600

Design Manufacturing Application Management

Qualities can be customised as per customer requirements



Our Product Portfolio for the

Cement Industry

Cement Industry - Conventional Castables

Product Quality	Chemical Analysis		Physical Properties				Thermal Properties			Special Features	Area of Applications
	Al2O3 (%)	Fe2O3 (%)	CCS		Dry Density (g/cc)	Grain Size (mm)	PLC		Max Service Temp °C		
			Temp °C	Kg/ Cm2			Temp °C/3 hrs.	(%)			
DMC-CASTC135	40	6	110 1350	250 225	2.10	0-6	1350	+/- 1.5	1350	Moderate abrasion resistant	Conical Portion, Feed Pipe, Cooler Cold Zone
DMC-CASTC135SP	40	4	110 1350	300 250	2.15	0-6	1350	+/- 1.5	1350	Moderate abrasion resistant	Conical Portion, Feed Pipe, Cooler Cold Zone
DMC-CASTC140	70	5	110 1450	350 350	2.15	0-6	1450	+/- 1.5	1450	Abrasion resistant	General Usages
DMC-CASTC150	50	1.5	110 1500	300 275	2.15	0-6	1500	+/- 1.5	1500	High Purity with Abrasion Resistance and thermal shock resistance	Cooler, Lower Cyclones
DMC-CASTC150SP	50	1.3	110 1500	350 350	2.20	0-6	1500	+/- 1.5	1500	High Purity with Abrasion Resistance and thermal shock resistance	Cooler, Lower Cyclones
DMC-CASTC160	60	1.5	110 1500	350 300	2.20	0-6	1500	+/- 1.5	1500	High Purity with Abrasion Resistance and thermal shock resistance	Cooler, Lower Cyclones
DMC-CASTC160 SP	60	1.5	110 1500	400 325	2.30	0-6	1500	+/- 1.5	1600	High Purity with Abrasion Resistance and thermal shock resistance	Conical Portion, Feed Pipes, Calciner
DMC-CASTC170	85-90	1.5	110 1500	500 450	2.75	0-6	1500	+/- 1.5	1700	Very High purity with abrasion resistance and high hot strength	Cooler, Lower Cyclones, General usages
DMC-CASTC170 SP	85-90	1.2	110 1500	550 550	2.80	0-6	1500	+/- 1.5	1700	Very High purity with abrasion resistance and high hot strength	Cooler, Lower Cyclones, General usages

Design Manufacturing Application Management

Qualities can be customised as per customer requirements

Cement Industry - Low Cement Castables

Product Quality	Chemical Analysis		Physical Properties				Thermal Properties			Special Features	Area of Applications
	Al2O3 (%)	Fe2O3 (%)	CCS		Dry Density (g/cc)	Grain Size (mm)	PLC		Max Service Temp °C		
			Temp °C	Kg/ Cm2			Temp °C/3 hrs.	(%)			
DMC-LCCAST 45	45	1.0	110 1450	700 800	2.30	0-6	1350	+/- 1.5	1450	High Purity with resistance to Abrasion and Thermal Stock	Inlet chamber ricer duct, cooler
DMC-LCCAST 60	46	1.0	110 1500	600 950	2.50	0-6	1350	+/- 1.5	1500	High Purity with resistance to Abrasion and Thermal Stock	Kiln inlet, kiln hood & Cooler
DMC-LCCAST 70	70	1.5	110 1500	700 900	2.65	0-6	1450	+/- 1.5	1600	High Purity with resistance to Abrasion and Thermal Stock	Kiln inlet, kiln hood & Cooler
DMC-LCCAST 70 LI	70	1.0	110 1500	700 950	2.65	0-6	1500	+/- 1.5	1650	Very High Purity with resistance to Abrasion and Thermal Stock	Kiln inlet, kiln hood & Cooler
DMC-LCCAST 80	80	1.80	110 1500	700 950	2.80	0-6	1500	+/- 1.5	1700	Resistance to abrasion and thermal shock	Cooler
DMC-LCCAST 90	88-90	1.0	110 1500	700 950	2.90	0-6	1550	+/- 1.5	1700	High resistance to Abrasion, Spalling and reducing atmosphere	Kiln Tip casting, cooler lining

Design Manufacturing Application Management

Qualities can be customised as per customer requirements

Cement Industry - Special Castables

Product Quality	Chemical Analysis		Physical Properties				Thermal Properties			Special Features	Area of Applications
	Al2O3 (%)	Fe2O3 (%)	CCS		Dry Density (g/cc)	Grain Size (mm)	PLC		Max Service Temp °C		
			Temp °C	Kg/ Cm2			Temp °C/3 hrs.	(%)			
DMC-CADENSE 60	60	1.10	110 1500	900 1000	2.65	0-8	1500	+/- 1.0	1600	Highly resistant to abrasion and alkali attack	Kiln Inlet, Collet side walls, Burner pipe and Bull Nose area
DMC-COAT A	22-25	0.5	110 1100	500 700	2.50	0-8	1500	+/- 1.0	1600	Resistant to high abrasion, alkali attack **SIC Based**	Ani coating area, Kiln Riser Duct
DMC-COAT BN	30	1.0	110 1100	600 700	2.35	0-8	1200	+/- 0.5	1500	Highly resistance to abrasion and alkali attack. Anti coating **SIC Based**	Inlet chamber, Rise Duct and Anti Coating area
DMC-COAT BN-TC	45	0.60	110 1100	700 900	2.60	0-8	1200	+/- 0.3	1600	Highly resistance to abrasion and alkali attack. Anti coating **SIC Based**	Tip Casting & Bull Nose
DMC-COAT BN-BP	50	0.70	110 1100	700 900	2.70	0-8	1200	+/- 0.3	1650	Highly resistance to abrasion and alkali attack. Anti coating **SIC Based**	Burner Pipe & Bull Nose
DMC-RESIST 80	80	1.50	110 900	600 800	2.75	0-8	1500	+/- 1.5	1600	Highly resistant to abrasion, alkali attack	Take off Duct, Kiln Hood, Bend Part
DMC-COAT AR 50	50	2.00	110	800	2.40	0-8	1200	+/- 0.5	1200	Very high wear resistance	Cooler vent ducts, coal ducts
DMC-CORAM 95	78-82	0.80	110 1100	1000 1200	2.90	0-8	1550	+/- 0.8	1750	Highly resistance to abrasion, alkali attack	Tip casting and burner pipe

Design Manufacturing Application Management

Qualities can be customised as per customer requirements

Cement Industry - Gunning Castables

Product Quality	Chemical Analysis		Physical Properties				Thermal Properties			Special Features	Area of Applications
	Al2O3 (%)	Fe2O3 (%)	CCS		Dry Density (g/cc)	Grain Size (mm)	PLC		Max Service Temp °C		
			Temp °C	Kg/ Cm2			Temp °C/3 hrs.	(%)			
DMC-GUN 80	80	1.4	110 1100	500 800	2.65	0-5	1500	+/- 1.0	1600	Resistant to Abrasion, Alkali attack, Anti coating	Rise Duct, Kiln hood
DMC-GUN 70	70	2.0	110 1100	500 800	2.50	0-5	1500	+/- 1.0	1600	Resistant to Abrasion, Alkali attack, Anti coating	Rise Duct, Kiln hood
DMC-GUNCOAT B	30	1.0	110 1100	300 600	2.35	0-5	1100	+/- 0.2	1500	Highly resistant to Abrasion, Alkali attack, Anti coating	Inlet chamber, Rise Duct and Anti-coating areas
DMC-LCGUN 45	45	1.0	110 1100	350-500 300-450	2.1 - 2.3	0-5	1400	+/- 1.0	1500	Very High Purity with Resistance to Abrasion an Thermal Stock	Inlet chamber, Rise Duct and Cooler
DMC-LCGUN 60	60	1.5	110 1100	350-500 300-450	2.3 - 2.5	0-5	1400	+/- 1.0	1600	Highly purity, Resistance to Abrasion and Thermal shock	General Usages
DMC- GUN 135 SP	45	2.0	110 1100	200-250 150-200	1.9 - 2.1	0-5	1300	+/- 1.0	1350	Moderate Abrasion Resistant	Conical portion, Feed Pipes, Cooler Cold Zone
DMC-GUN 13	35	5.0	110 1100	20-30 8-10	1.2 - 1.3	0-5	1100	+/- 1.0	1300	Moderate Abrasion Resistant	Calciner, Inlet Housing
DMC- GUN 1600	40	2.0	110 1100	60-80 20-30	1.4 - 1.5	0-5	1300	+/- 1.0	1500	Moderate Abrasion Resistant	Calciner, Inlet Housing

Design Manufacturing Application Management

Qualities can be customised as per customer requirements

Cement Industry – Insulating Castables

Product Quality	Chemical Analysis	Physical Properties				Thermal Properties					Special Features	Area of Applications
	Fe2O3 (%)	CCS		Dry Density (g/cc)	Grain Size (mm)	PLC		TC		Max Service Temp °C		
		Temp °C	Kg/ Cm2			Temp °C/3 hrs.	(%)	Temp °C/3 hrs.	W/mK			
DMC-CSATINS 7	9.0	110 1100	12 8	0.70	0-6	1100	+/- 1.2	500	0.24	1100	Low Thermal Conductivity and Good Strength	Calciner
DMC-CASTINS 9	8.0	110 1100	15 10	0.90	0-6	1100	+/- 1.2	500	0.30	1100	Low Thermal Conductivity and Good Strength	Calciner
DMC-CASTINS 11	4.0	110 1200	40 30	1.20	0-6	1100	+/- 0.8	500	0.36	1300	Low Thermal Conductivity and High Strength	Calciner, Inlet Housing
DMC-CSATINS 13	3.5	110 1100	60 40	1.45	0-6	1300	+/- 1.0	500	0.35	1350	Low Thermal Conductivity and High Strength	Calciner, Inlet Housing
DMC-CASTINS1600SP	2.0	110 1100	150 120	1.55	0-6	1300	+/- 0.5	500	0.40	1600	Low Thermal Conductivity and High Hot Strength	Calciner, Inlet Housing

Design Manufacturing Application Management

Qualities can be customised as per customer requirements

Our Product Portfolio for

Non ferrous Industries

Boiler Industry – Low Cement/Self Flow Castables

Product Quality	Chemical Analysis		Physical Properties				Thermal Properties			Special Features	Area of Applications
	Al2O3 (%)	Fe2O3 (%)	CCS		Dry Density (g/cc)	Grain Size (mm)	PLC		Max Service Temp °C		
			Temp °C	Kg/ Cm2			Temp °C/3 hrs.	(%)			
DMC-LCCAST 45	45	1.0	110 1450	700 800	2.30	0-6	1350	+/- 1.5	1450	High Strength Low cement castable	Combustion floor and cyclone of CFBC
DMC-LCCAST 60	46	1.0	110 1500	600 950	2.50	0-6	1350	+/- 1.5	1500	High Strength Low cement castable with excellent thermal shock resistance	Combustion floor and cyclone of CFBC, non-targetZone
DMC-LCCAST 80	80	1.80	110 1500	700 950	2.80	0-6	1500	+/- 1.5	1700	High Strength Low cement castable with excellent thermal shock resistance	Cyclone Inlet Top and Bottom Plates
DMC-LCCAST 90	88-90	1.0	110 1550	700 950	2.90	0-6	1550	+/- 1.5	1700	Very High Strength Low cement castable with excellent thermal shock resistance	Cyclone inlet top and bottom plates and target zones
DMC-LCCAST 45 SF	44	1.0	110 1500	275 650	2.20	0-6	1500	+/- 1.5	1500	Self flow castable with high strength	Combustion cone lower section
DMC-LCCAST 60 SF	59	1.5	110 1500	350 725	2.45	0-6	1500	+/- 1.5	1650	Self flow castable with high strength	Lower cone of cyclone
DMC-LCGUN 45	45	1.0	110 1100	350-500 300-450	2.1 - 2.3	0-5	1400	+/- 1.0	1500	Gunning Material with high strength and lower rebound loss	Compact separator roof
DMC-LCGUN 60	60	1.5	110 1100	350-500 300-450	2.3 - 2.5	0-5	1400	+/- 1.0	1600	Gunning Material with high strength and lower rebound loss	Compact separator roof

Design Manufacturing Application Management

Qualities can be customised as per customer requirements

Boiler Industry – Insulating Castables

Product Quality	Chemical Analysis	Physical Properties				Thermal Properties					Special Features	Area of Applications
	Fe2O3 (%)	CCS		Dry Density (g/cc)	Grain Size (mm)	PLC		TC		Max Service Temp °C		
		Temp °C	Kg/ Cm2			Temp °C/3 hrs.	(%)	Temp °C/3 hrs.	W/mK			
DMC-CASTINS 9	8.0	110 1100	15 10	0.90	0-6	1100	+/- 1.2	500	0.30	1100	Low Thermal Conductivity	Backup insulation for floor of boilers
DMC-CASTINS 9 SP	1.0	110 1200	15 10	0.95	0-6	1100	+/- 1.2	500	0.32	1100	Low Iron Materials suitable in reducing atmosphere	Wall and arches in radiant section of boilers and heaters
DMC-CASTINS 11	4.0	110 1200	40 30	1.20	0-6	1100	+/- 0.8	500	0.36	1300	Low Thermal Conductivity and High Strength Insulating	Wall and arches in radiant section of boilers and heaters

Boiler Industry – Conventional Castables

Product Quality	Chemical Analysis		Physical Properties				Thermal Properties			Special Features	Area of Applications
	Al2O3 (%)	Fe2O3 (%)	CCS		Dry Density (g/cc)	Grain Size (mm)	PLC		Max Service Temp °C		
			Temp °C	Kg/ Cm2			Temp °C/3 hrs.	(%)			
DMC-CASTC135	40	6	110 1350	250 225	2.10	0-6	1350	+/- 1.5	1350	Moderate abrasion resistant	General purpose castable for Normal boilers and furnace opening of CFBC
DMC-CASTC140	70	5	110 1450	350 350	2.15	0-6	1450	+/- 1.5	1450	Abrasion resistant	High Purity General purpose castable for boilers
DMC-CASTC150	50	1.5	110 1500	300 275	2.15	0-6	1500	+/- 1.5	1500	High Purity with Abrasion Resistance and thermal shock resistance	Burner throat, end walls andbetween radiant and breaching section of boilers
DMC-CASTC160	60	1.5	110 1500	350 300	2.20	0-6	1500	+/- 1.5	1500	High Purity with Abrasion resistance and thermal shock resistance	Burner throat, end walls and between radiant and breaching section of boilers

Insulator Cement

Brand	Water Requirement	Setting Time (minutes)		Compressive Strength (Kg/cm²) (min)		Le-chattelier Expansion (max)	Autoclave Expansion (max)	Grain Size
	%	Initial (max)	Final (max)	1 day (24hr)	2 day (48hr)	(mm)	%	(mm)
DMC INS 1:1 (MORTAR)	11-15	150	200	500	700	5	0.8	0-1

Mould preparation: Use cold water (15-20 °C) during summer only for mixing

1-day curing: 8 hours in air + 16 hours in water

2-day curing: 8 hours in air + 40 hours in water

Design **Manufacturing** **Application** **Management**

Qualities can be customised as per customer requirements

ZERTIFIKAT ◆ CERTIFICATE ◆ 認証書 ◆ СЕРТИФИКАТ ◆ CERTIFICADO ◆ CERTIFICAT

South Asia

CERTIFICATE

The Certification Body
of TÜV SÜD South Asia Private Limited

certifies that

DMC (A DIVISION OF DALMIA BHARAT REFRACTORIES LIMITED)

SF - 02, VELLAKKALPATTI VILLAGE, KARUPPUR PO,
SALEM – 636 012, TAMIL NADU, INDIA

has implemented Quality Management System

in accordance with **ISO 9001:2015**

for the scope of

Manufacturing & Trading of Monolithics & Magnesia Carbon Bricks.

The certificate is valid from **2024-10-03** until **2027-10-02**

Subject to successful completion of annual periodic audits

The present status of this certificate can be obtained through TUV SUD website by scanning below QR code and by entering the certificate number (without spaces) on web page. Further clarifications regarding the status & scope of this certificate may be obtained by consulting the certification body at info.in@tuvsud.com

Certificate Registration No. **99 100 24263**

Date of Initial certification: **2024-10-03**

Issue Date: **2024-10-03** Rev. **00**

Rahul Kale
Head of Certification Body
of TÜV SÜD South Asia Private Limited,
Mumbai
Member of TÜV SÜD Group

NABCB QM011

Major Clients

JSW

AM/NS INDIA

ESL STEEL LIMITED
(Formerly known as Electrosteel Steels Limited)

JINDAL STEEL & POWER

RAIL WHEEL FACTORY

MIDHANI

MUKAND
Infinite resolve

L&T Special Steels and Heavy Forgings

Adhunik

SAAR LOHA

Evonith

सेल SAIL

ADITYA BIRLA
GRASIM

BHEL

Dalmia
Bharat Cement

DMC.

(A division of Dalmia Bharat Refractories Limited)
Regd Office: Dalmiapuram - 621651, Tamilnadu, India
Head Office: 4 Scindia House, Connaught Place, New Delhi - 110001

Manufacturing Plant:

Salem Plant: Dalmia Magnesite Corporation, Vellakkalpatti Village, PO-Karuppur, Karuppur, Salem, Tamil Nadu - 636012, India

China Plant: OCL China Limited (a step-down subsidiary of Dalmia Bharat Refractories Limited) Nanlou Economic Development Zone, Dashiqiao, Yingkou City, Liaoning Province, China

Sales Office: 16th Floor, Merlin Acropolis, 1858, Rajdanga Main Road, Kolkata - 700107, West Bengal, India

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Dalmia
Bharat Group