

LAYING MORTARS (CALCINED CLAY, BAUXITE & MULLITE BASED)



CUMIBOND

CHARACTERISTICS	UNIT	CUMIBOND LKFX	CUMIBOND LK 65	CUMIBOND LM 36
Max.Service Temperature	°C	1600	1600	1700
Maximum Grain Size	mm.	0.5	0.5	0.5
Type of Setting		AIR SETTING	HEAT SETTING	HEAT SETTING
Recommended Binder Addition (By wt.)	%	18	-	-
Recommended Water Addition (By wt.)	%	20-22	25-30	15-25
Chemical Analysis	%			
Al ₂ O ₃	min.	37.0	64.0	70.0
Fe ₂ O ₃	max.	1.50	1.50	0.50

Shelf Life : 12 months from the date of manufacture

Packing : In 50 Kg LDPE lined HDPE bags

Note : Binder / 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.



CARBORUNDUM UNIVERSAL LIMITED
SUPER REFRACTORIES



Works

Plot No. 102 & 103, Sipcot Industrial Complex,
Phase II, Ranipet 632 403, TN, India.
Phone : +91 4172 244582, 244197
Fax: +91 4172 244982.

Plot No. 35, 37, 48-51, Adhartal Industrial Estate,
PO Jabalpur - 482004, Madhya Pradesh
Phone: +91 761 2680759 / 2680725,
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Mungileri Village, Vinnampalli Post,
Katpadi Taluk, Vellore District - 632516
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Fax: +91 4172 255396

Marketing Office : 105, Sreela Terrace, III Floor, Western Side, Gandhi Nagar Ist Main Road,
Adyar, Chennai – 600 020, Phone: +91 44 42187812/ 13 / 14 / 15
E-mail : cumiref@cumi.murugappa.com
www.cumi-murugappa.com/refractories/



LAYING MORTARS (FUSED & TABULAR ALUMINA BASED)



CUMIBOND

CHARACTERISTICS	UNIT	CUMIBOND LAFX	CUMIBOND LA 282	CUMIBOND LA 102 XL
Max.Service Temperature	°C	1650	1650	1850
Maximum Grain Size	mm.	0.5	0.5	0.1
Type of Setting		AIR SETTING	HEAT SETTING	HEAT SETTING
Recommended Binder Addition (By wt.)	%	18	-	-
Recommended Water Addition (By wt.)	%	20-22	13-15	18-23
Chemical Analysis	%			
Al ₂ O ₃	min.	85.0	90.0	96.0
Fe ₂ O ₃	max.	1.00	0.50	0.20

Shelf Life : 12 months from the date of manufacture

Packing : In 50 Kg LDPE lined HDPE bags

Note : Binder / Water requirements indicated are based on laboratory test conditions.

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LAYING MORTARS (ZIRCON & ZIRCONIA - MULLITE BASED)



CUMIBOND

CHARACTERISTICS	UNIT	CUMIBOND LZ 85	CUMIBOND LZ 815	CUMIBOND LZ 1	CUMIBOND LZM 30
Max. Service Temperature	°C	1650	1650	1600	1600
Maximum Grain Size	mm.	0.5	0.5	0.5	0.5
Type of Setting		HEAT SETTING	HEAT SETTING	HEAT SETTING	HEAT SETTING
Recommended Binder Addition (By wt.)	%	8	-	-	-
Recommended Water Addition (By wt.)	%	8	10 - 20	10 - 20	20 - 30
Chemical Analysis	%				
ZrO ₂	min.	60.0	33.0	57.0	29.0
Al ₂ O ₃	min.	-	37.0	-	40.0

Shelf Life : 12 months from the date of manufacture

Packing : In 50 Kg LDPE lined HDPE bags

Note : Binder / Water requirements indicated are based on laboratory test conditions.

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LAYING MORTARS (SILICON CARBIDE BASED)



CUMIBOND

CHARACTERISTICS	UNIT	CUMIBOND LS 4	CUMIBOND LS 7 S	CUMIBOND LS 7 P
Max.Service Temperature	°C	1650	1600	1600
Maximum Grain Size	mm.	0.5	0.2	0.2
Type of Setting		HEAT SETTING	AIR SETTING	AIR SETTING
Recommended Binder Addition (By wt.)	%	-	5	25
Recommended Water Addition (By wt.)	%	15-30	15-23	15
Chemical Analysis	%			
SiC	min.	83.0	83.0	85.0
Al ₂ O ₃	min.	4.00	2.50	-
SiO ₂	max.	-	12.0	4.00
P ₂ O ₅	max.	-	-	8.00
Na ₂ O	max.	-	1.50	-

Shelf Life : 12 months from the date of manufacture

Packing : In 50 Kg LDPE lined HDPE bags

Note : Binder / Water requirements indicated are based on laboratory test conditions.

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LAYING MORTARS - MEDIUM PURITY (CALCINED CLAY & BAUXITE BASED)

CUMISET

CHARACTERISTICS	UNIT	CUMISET 30	CUMISET 40	CUMISET 50 N	CUMISET 50 F
Type of Setting		AIR SETTING	AIR SETTING	AIR SETTING	AIR SETTING
Max. Service Temperature	°C	1300	1450	1500	1500
Maximum Grain Size	mm	0.5	0.5	1.5	0.5
Pyrometric Cone Equivalent	(ORTON CONE/°C)	-	-	31/ 1683	31/ 1683
Recommended Water Addition (By wt.)	%	25 -35	25 -35	25 -35	25 -35
Chemical Analysis	%				
Al ₂ O ₃	min.	30.0	40.0	50.0	50.0
Fe ₂ O ₃	max	3.00	3.50	4.00	4.00

Shelf Life : 12 months from the date of manufacture

Packing : In 50 Kg LDPE lined HDPE bags

Note : Water requirements indicated are based on laboratory test conditions.

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