

SELF FLOW CASTABLES



CUMIFLOW

CHARACTERISTICS	UNIT	CUMIFLOW 45	CUMIFLOW 50	CUMIFLOW 60	CUMIFLOW 70	CUMIFLOW 80	CUMIFLOW 90
Maximum Service Temperature	°C	1550	1600	1650	1650	1650	1700
Maximum Grain Size	mm	6	6	6	6	6	6
Bulk Density Dried at 110°C/ 24 hrs	g/ cc, min.	2.15	2.20	2.40	2.45	2.60	2.70
Cold Crushing Strength							
Dried at 110°C/ 24 hrs	Kg/ cm ² , min.	300	300	300	300	300	300
Fired at 1000°C/ 3 hrs		500	450	500	550	700	800
Fired at 1550°C/ 3 hrs		800	700	800	800	1000	1100
Permanent Linear Change							
Fired at 1000°C/ 3 hrs	%, max.	± 0.30	± 0.30	± 0.30	± 0.30	± 0.30	± 0.30
Fired at 1550°C/ 3 hrs		± 1.00	± 1.00	± 1.00	± 1.00	± 1.00	± 0.90
Recommended Water Addition	%	8 - 10	8 - 10	8 - 10	8 - 10	6 - 8	6 - 8
Flow immediately after mixing	%, min.	90	90	90	90	90	90
Chemical Analysis	%						
Al ₂ O ₃	min.	45	50	60	70	80	88
Fe ₂ O ₃	max.	1.00	1.30	1.50	1.50	1.50	1.20

Shelf Life : 6 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 binder / 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
Phone: +91 4172 646030
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/



SELF FLOW (NO CEMENT) CASTABLES

CUMICAST



CHARACTERISTICS	UNIT	CUMICAST EF 501	CUMICAST EF 751	CUMICAST EF 803	CUMICAST EF 804	CUMICAST EF 951
Maximum Service Temperature	°C	1600	1700	1700	1700	1700
Maximum Grain Size	mm.	8	8	8	8	8
Bulk Density Dried at 110°C/ 24 hrs	g/ cc, min.	2.30	2.90	2.80	2.70	2.90
Cold Crushing Strength						
Dried at 110°C/ 24 hrs	Kg/ cm ² , min.	400	200	300	300	300
Fired at 1000°C/ 3 hrs		550	400	700	700	650
Fired at 1450°C/ 3 hrs		450	500	900	800	850
Permanent Linear Change						
Fired at 1000°C/ 3 hrs	%, max.	± 0.10	± 0.30	± 0.10	± 0.30	± 0.10
Fired at 1450°C/ 3 hrs		± 0.50	± 0.80	± 0.30	± 0.80	± 0.30
Recommended Binder Addition	%	9.5 - 11	9.5 - 11	9.5 - 11	9.5 - 11	9.5 - 11
Flow immediately after mixing	%, min.	90	90	90	90	90
Chemical Analysis	%					
Al ₂ O ₃	min.	50.00	74.00	84.00	80.00	93.00
SiO ₂	max.	46.00	10.00	11.00	15.00	6.00
SiC	min.	-	14.00	-	-	-
Fe ₂ O ₃	max.	1.50	1.50	1.20	1.50	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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