

CUMI INSTASHOT

Saves Time

SUPERIOR APPLICATION TECHNOLOGY FOR MONOLITHICS



ABOUT US

Carborundum Universal Limited (CUMI) is the flagship company of the Murugappa Group, one of India's leading business conglomerates.

CUMI's Super Refractories division is the pioneer in the manufacture of Low Cement Castables; Silicon Carbide, Mullite, High Alumina and Insulation Bricks.

The Company's state-of-the-art plants in India and overseas manufacture a wide range of Monolithics, Fired and Precast products for Cement, Iron & Steel, Ceramics, Glass, Power and Non-Ferrous Industries., with exports to major countries across the globe.

CUMI INSTASHOT

CUMI has introduced specialized application of monolithics with technology from Sheffield Refractories, UK, for Cement and Iron & Steel Industries. This can be applied in all the areas wherever castable is used in a cement plant.

The specially formulated material is processed in a high intensity mixer, under high speeds and with very close control of the water addition. This helps the material achieve the same installed properties as a Vibrocast Low Cement Castable.

The material is heavily de-flocculated to ensure that it pumps freely to allow it to be easily transported over long distances and to significant heights.

At the nozzle the material is mixed with an activator that simply reverses the impact of the de-flocculants, by 'reflocculating' the material and enabling it to bind together.

The activator does not allow the material to 'set'. Instead the Calcium Aluminate Cement in CUMI's specialised monolithics will react and set over a period of time, as it would in a standard Low Cement Castable.





CUMI INSTASHOT - ADVANTAGES

- ❖ Easy to install. Reduces shut down and early start-up of the kiln.
- ❖ Installation rates are much higher than with standard gunning techniques subject to complexity of the lining. Application rate can be up to 6 Mt per hour.
- ❖ Rebound loss substantially lower than the conventional gunning, typically around 5-6 %.
- ❖ Provides the advantages of Casting & Gunning while eliminating the disadvantages of both the applications.

In addition to reducing downtime, **CUMI INSTASHOT** provides the customer a major cost advantage in comparison with other gunned lining and casting applications.

GLOBAL REFERENCES

1	Lafarge Hope Works, UK
2	Lafarge Dunbar Works, UK
3	Lafarge Cookstown Works, UK
4	Lafarge Cauldon Works, UK
5	Lafarge Aberthaw Works , UK
6	Tarmac Buxton Works, UK
7	Heidelberg Ketton Works -UK
8	CCB (Cement Calcia) Gaurain Ramecroix, Belgium
9	Ciments Calcia - Cruas, France
10	Ciments Calcia - Ranville, France
11	Ciments Calcia - Villiers, France
12	Ciments Calcia - Beaucaire, France
13	Ciments Calcia - Couvrot, France

REFERENCES IN INDIA

1	Ultratech Cement Companies Limited (Narmada Cement, Jafrabad, India.)
2	Shree Cement Limited, Ras, Line IX, VIII.
3	Birla Corporation Limited, Satna.
4	Shree Cement Limited, AQC Boiler.



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