

DESCRIPTION

CUMIBON 104 carbon tiles / bricks / shapes used in chemical resistant masonry for special applications. CUMI undertakes both supply and installation of chemical resistant linings for all types of industries in India and abroad.

CUMIBON 104 carbon tiles / bricks / shapes meet or exceed ASTM C-1160 specification. CUMIBON 104 carbon bricks have been evaluated at independent testing labs and certified to be suitable for the intended applications.

Carbon tiles / bricks / shapes find applications in:

- Fertilizer industry for digesters, phosphoric acid storage tanks.
- Stainless Steel industry in pickling plants.
- Chemical industries in sulphuric acid dilution tanks, and phosphoric acid storage tanks.

USES

CUMIBON 104 carbon tiles / bricks / shapes are used for masonry constructions, floorings subject to acid attack, lining of chambers and towers in chemical plants, lining of sewers carrying industrial effluents etc. to prevent deterioration of the surface by phosphoric acid, sulphuric acid and hydrofluoric acid.

CUMIBON 104 carbon tiles / bricks / shapes based chemical resistant masonry is also used and recommended for reactors and other process vessels subjected to frequent thermal and pressure stresses.

Conventional acid resistant tiles / bricks / shapes tend to crack due to thermal shock or due to pressure difference. In these circumstances, CUMIBON carbon tiles / bricks / shapes are recommended as mentioned above along with carbon filled chemical resistant cements.

CUMIBON 104 carbon tiles / bricks are supplied in standard sizes:

- 230mm x 115mm x 38mm / 65mm / 75mm thickness

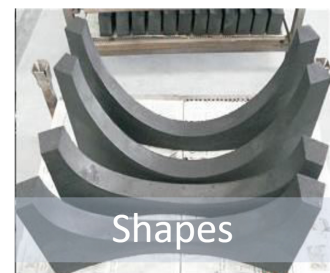
Other sizes, shapes, and thicknesses are possible as per customer requirement.

PACKING

CUMIBON 104 carbon tiles / bricks are supplied in carton box and CUMIBON carbon shapes in special packing.

STORAGE & SHELF LIFE

CUMIBON tiles / bricks / shapes are to be stored in their original packing under shade, away from heat, fire, moisture and dampness.



PROPERTIES

Characteristics	CUMIBON 104
Bulk Density, g/cc	1.65± 0.1
Water Absorption, % max	4
Porosity, % max	8
Compressive strength, Mpa, min	60
Flexural strength, Mpa, min	20
Ash, % max	3
Carbon content %, Min	97
Temperature resistance, °C, max	150
Chemical resistance	Excellent for long term exposure to high acidic conditions

HANDLING PRECAUTIONS

While lifting and handling the tiles/bricks/shapes, care should be taken that the corners / edges do not cut / damage hands.

WARRANTY

Whilst Carborundum Universal Ltd. strives to ensure that any advice, information or recommendation given are appropriate and correct, it cannot accept any liability directly or indirectly arising out of the products, since the method and place of application of the products are beyond its control. Its guarantee is therefore limited to the quality of materials delivered.



Shape Assembly



Custom Built



Sleeves

CARBORUNDUM UNIVERSAL LIMITED

PRODORITE DIVISION

Specialists in Corrosion Management since 1961

Dare House Extension First Floor, 234, NSC Bose Road, Chennai – 600 001. Phone: 044-3000 6079 Fax: 044-3000 6090
e-mail: prodorite@cumi.murugappa.com web: www.cumi-prodorite.com

CHENNAI -044 30006079

DELHI - 011-30901913

MUMBAI - 022-8080323443

KOLKATA-033-30249675