



ACID RESISTANT BRICKS

DESCRIPTION

ACID RESISTANT BRICKS are manufactured in different thicknesses and are used as per the requirement. The shape and size of brick other than standard shall be agreed between the purchaser and the manufacturer. Tiles with thicknesses 38 mm and above are called Acid Resistant Bricks and meet IS 4860-1968.

USE

ACID RESISTANT BRICKS is 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 acids except hydrofluoric acid and perchloric acid and other chemicals. These bricks are made of raw materials, such as clay of suitable composition with low lime and iron content, felspar, flint or sand and vitrified at high temperatures in ceramic kilns. These bricks are designed primarily for use in chemical and allied industries and are normally used with chemical resistant mortars.

PROPERTIES

Characteristic	IS 4860 CLASS I	IS 4860 CLASS II
Warpage in mm, max	2.5	2.5
% Water absorption, max	2	4
Compressive strength, kg / cm ² , min	700	500
Flexural strength, kg / cm ² , min	100	70
% Resistance to acid, max.	1.5	4

Resistance to wear, mm, max.	2	-
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PACL has the facility to carryout the tests required as per IS 4457 and IS 4860. Every consignor of bricks supplied by PACL is tested thereby ensuring and controlling the quality of bricks.

STORAGE & SHELF LIFE

Bricks are to be stored away from water / rain water since dampness on the bricks affects the bonding of the acid proof cements.

HEALTH & SAFETY

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

ADDITIONAL INFORMATION

CUMI-PRODORITE also supplies other acid, alkali and chemical resistant brick / tile linings, Polymer concrete products, Construction chemicals like concrete repair and rehabilitation products including protective coatings, epoxy and polyurethane coatings and floor toppings, Chemical storage tanks, vessels, scrubbers, pipes and fittings, other custom-built items in FRP, PP-FRP, PVC-FRP & PVDF-FRP, FRP Gratings, etc.

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.

CARBORUNDUM UNIVERSAL LIMITED CERAMICS DIVISION

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