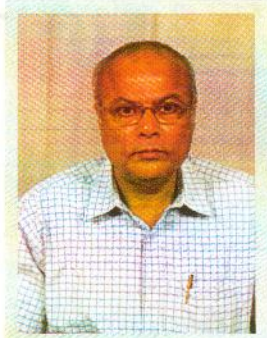




CICO Products Have Stood The Test Of Time Under Most Stringent Conditions Along With Being User-Friendly & Cost-Effective



Alok Chatterjee,
Sr. Vice President -
Operations, CICO
Technologies Limited,
New Delhi

CICO Technologies Limited has introduced new and innovative products for proper and successful waterproofing of structures and for the last seven decades, they have continued to execute waterproofing of different structures with the products and technology in various projects of national and international importance in the Government and private sector.

In CICO Technologies Limited, they always emphasize on the technical aspects of the structures analyzed by their team of Civil and Chemical engineers and Structural designers and they consider all the possible avenues, viz. specified products should be abrasion resistant, have crack bridging capacity, UV resistant and resistant to sulphate and chloride attacks and matches with the behaviour of the structure.

CICO products are a direct result of understanding customer's needs and providing tailor made solutions to their

problems. CICO's products have performed and stayed true for its quality even in the most stringent conditions. CICO products are user friendly and cost effective. The core portfolio comprises of waterproofing chemicals, admixtures, grouts, sealants, & protective coatings to provide best solutions for construction industry.

- Waterproofers & Water Sealers
- Concrete Admixtures (Plasticizers)
- Construction Aids
- Protective Coatings/ Impregnations
- Grouts & Grouting compounds
- Industrial Floorings
- Shortcrete products
- Repair Compounds
- Capsules for anchoring/ bolting
- Tile & Structural Adhesive
- Sealants
- Waterproof coatings & membrane
- Insulation
- Anticorrosive Products

Their Company has a wide range of products ranging from integral waterproofing compound to latest P U system. Generally it is always kept in mind the cost implications and the efficacy of the treatment to avoid any problem in the future due to maintenance of the buildings. Company's product TAPECRETE P 151 is the most popular brand amongst the leading builders and architects. Product, CORCHEM is used for anti-corrosive and waterproofing treatments and is well appreciated and also growing in demand from leading builders and architects.

The word waterproofing means the processes by which a body can be made totally free from any



Waterproofing Work In Progress

water intrusion. All the matters which are in touch with water needs waterproofing. This can be a ship, boat, clothes or buildings. We will discuss here about the waterproofing of R.C.C. structures.

Waterproofing of the habitable structure started from the very ancient days when humans started to live inside a cave to protect themselves from the weather. At that time they used mud, leaves etc. to seal the holes/pores of their caves. With change in time, technology developed and from the cave, man started living in the skyscraper buildings. But the process from cave to the skyscraper took millions of years. The basic changes in structure where waterproofing is required started from 18th Century when cement concrete structure came into use. Nowadays mostly buildings are made of reinforced cement concrete.

A building/structure needs waterproofing as concrete itself can never be perfectly made waterproof on its own. Usually water intrusion in concrete structures is through the following access :

a) Basement

b) Toilet/Kitchen/sunken portions

c) Roof

The conventional system of waterproofing was done with bitumen coating, bitumen felt, brick bat etc. but those materials have their own drawbacks, like oxidized bitumen loses its flexibility and within 2-3 years gets brittle and hence loses its waterproofing properties.

Over the past 3 decades the construction industry has undergone major technological advancement in waterproofing technology as a result of the development in the construction chemicals. The market is flooded with different products, methods such as crystallization system, polyurethane based elastomeric system, cementitious polymer coating etc. All these systems have effectiveness and shortcomings.

It gives us immense satisfaction that in the recent past the importance of waterproofing has been felt by the architects, builders and the end users.

For further information visit their website www.cicogroup.com