



CONSTRUCTION CHEMICALS

for Better Quality & Durability

Why Use CETEX Construction Chemicals?

Hydration of cement is a complex reaction, which is yet not fully understood. Moreover, there is always demand to complete the projects as early as possible without compromising on the quality. The designers and executors are looking for properties, which were unimaginable a decade ago. New chemicals are being used as additive or surface treatment to enhance the properties of the end product.

According to generally accepted engineering standards, concrete are:-

- Brittle and very weak in flexural and tensile strength.
- Prone to early-age plastic shrinkage and settlement cracking
- Prone to long-term cracking due to thermal expansion and contraction
- Likely to explode (spall) when subjected to the extreme heat.
- Weaker, when excess water is added to improve workability.

All of which can weaken the long-term integrity and performance of the concrete. As larger and more complex projects are being undertaken, there is growing need for new products to improve the quality and durability of the construction activity.

XETEX INDUSTRIES offers a diverse portfolio of construction fibers and chemicals that represent the most comprehensive solutions to concrete's shortcomings. Our product range:

CETEX Micro Silica is 100 % Indian product. It is produced after processing special grade Rice husk ash. This is shorted, pulverized, air classified and packed in specified packing for ease of handling the material at site.

CETEX – ADMIXTURES - We manufacturer an array of admixtures which when added to concrete or mortar helps to control setting and early hardening, workability, or provides additional cementing properties. Thus the concrete can attain desired characteristics such as high compressive strength, high workability, and high performance and durability requirement of the modern structures.

CETEX - HARDENERS & DENSIFIERS - Weakened floor surfaces are typically caused by adding excess water to the concrete, poor finishing techniques and poor-quality cure. But removing or replacing the concrete is not a favourable option as it is labour-intensive, and costly. A simpler and less expensive option is to use a **CETEX** liquid chemical treatment to harden and densify the concrete surface.

CETEX - CURING COMPOUNDS – We have wax and acrylic based concrete curing compounds which can be diluted with water for usage. When properly applied on fresh concrete, they form a membrane which reduces the moisture loss during the early hardening period. It does not allow the inside moisture to come out of concrete, hence the process of curing occurs.

CETEX – SEALANTS - XETEX Industries has an array of concrete sealing products, acrylic concrete sealers; water and solvent based sealers. These sealers penetrate the concrete by means of capillary action and seal the top surface to prevent the penetration of air, dust or liquid into the concrete. Hence they are effective in waterproofing processes by keeping moisture out (or in) the components on which they are used.