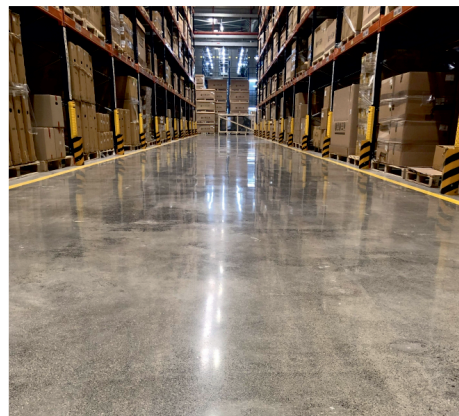




AC PLUS STEEL FIBER MIX

ABOUT US

Concrete is strong in compression but weak in tension as concrete is brittle material. The failure in concrete due to tension is sudden there are also cracks in concrete due to shrinkage and these micro cracks propagate and leads to failure.

To safeguard the concrete against flexural cracks fiber are used in concrete section which is known as Fiber reinforced concrete.

ADVANTAGES

- Reduction in cost and timing of the project.
- Reduce the absorption of water and the other harmful chemical.
- Reduce the surface permeability and increase the durability of the concrete.
- Reduce curling and eliminates shrinkage stress.
- Increase in fatigue strength, flexural strength, toughness, load-bearing capacity, etc.
- Prevent the development of cracks in concrete.
- Fibers are a distributor of localized stress.

TECHNICAL SPECIFICATIONS

They improve compressive, tensile and flexural strength, ductility, fracture toughness and shrinkage behaviour, but the most important role of these fibers is to bridge the cracks and increase ductility after the matrix is cracked keeping required mechanical properties of the materials.

APPLICATION AREAS

- Commercial and Industrial Flooring & Pavement
- Concrete Toppings on Floors, Roofs, Precast Concrete Slab
- Tunnel Construction
- Building Construction
- Highway Construction
- Bridge Construction
- Dam Construction

