



AC PLUS LIGHTWEIGHT MIX

ABOUT US

Introducing excellent lightweight concrete is an extremely light concrete that is up to 50% lighter than sand. It can be easily pumped to any height in no time with minimal labour requirement. Infused with polystyrene, Ac Plus lightweight concrete is an efficient filler material that helps you reduce dead weight and build towering structures.

ADVANTAGES

- It reduces the dead load of the building.
- Easy to handle and hence reduces the cost of transportation and handling.
- Improves the workability.
- Lightweight concrete has a lower thermal conductivity.
- At the time of construction of the building, the rooms in which air-conditioning is to be installed, the use of lightweight concrete at such place will result in good thermal comfort and less power consumption.

ADVANTAGES

- Comparatively more strong and durable.
- Good resistance to freezing & thawing action when compared to conventional concrete.
- The use of light weight concrete gives an outlet for industrial wastes such as fly ash, clinkers, slag etc, which create problem for disposal.
- It offers great fire resistance.
- Light weight concrete gives overall economy.

TECHNICAL SPECIFICATIONS

- Ac Plus lightweight concrete has a density ranging from 800 - 1500 Kg/m³ and above, with strength ranging from 1 to 5 MPa at 28 days.
- Setting time: 24 hours
- Superior thermal & sound insulation
- Excellent workability
- Ac Plus lightweight concrete (structural) has a density ranging from 1700 - 1800 Kg/m³ and above with strength up to 30 MPa at 28 days.

APPLICATION AREAS

- Since the strength of LWC is low, it is used in the construction of roof slabs, small houses with load bearing walls etc.
- It is also used in the construction of stairs, windows, garden walls, etc.
- In large building construction this is used in the construction of partition walls.
- These are moulded in the form of slabs and used as thermal insulators inside the building.

