POZZOCAT

for Better Quality & Durability

CETEX POZZOCAT, Pozzolanic Catalyst, acts like a catalyst to cement hydration process in concrete. As requirement for high strength and durability of concrete is increasing, various pozzolans, like fly ash, micro-silica, etc. are being used along with cement for casting of concrete. Pozzo-Cat not only acts like a high-grade plasticizer, but it also results in faster reaction of pozzolans with cement particles which results in better Quality & Durability of concrete.

ADVANTAGES

- ✓ It significantly improves the workability of the concrete mix even with low water cement ratio. By addition of Pozzo-Cat, the slump value increases resulting in ease of placing the concrete mix.
- ✓ By adding Pozzo-Cat, the water content of the concrete mix can be reduced drastically by 40% or more, which results in more dense concrete, thereby increasing the compressive strength up to 40%. This improves the durability, impermeability and frost and water-resistant properties of the mix.
- ✓ It catalyzes the reaction of pozzolans in the concrete, thus the effectiveness of adding pozzolans is increased. This helps in faster strength, lower porosity and higher water resistance.
- ✓ Economics of mix design can be improved by optimizing various components of concrete mix.
- ✓ Heat of hydration is reduced drastically, which results in better quality.

PROPERTIES

Type	: Nano Silica based
Appearance	: Whitish Cream
Total Solid Content	: Above 50.0%
Chloride/Nitrate Content	: Nil

MECHANISM

Addition of Pozzo-Cat has dual effect in concrete mix. It has excellent dispersing effect in the concrete, which not only helps in higher workability but also helps in very low water cement ratio in mix design. Presence of nano-silica catalyzes / initiates the pozzolanic reactions in the concrete, which results in achievement of strength and quality of concrete not possible by other means.

USES

- As plasticiser for production of free-flowing concrete such as slabs, foundations, walls, beams, columns pre-cast, etc.; areas with dense reinforcement.
- For high strength of concrete which are not possible by other plasticizers and admixtures available.

DOSAGE

100gm to 500 gram per 50 kg of cement depending on requirement of mix design. However, field trials should be conducted to determine the optimum dosage to achieve the required condition of the mix.

DIRECTION OF USE

CETEX PozzoCat should be added to the concrete mix during the mixing cycle after addition of water or mixed with dosing water. **Never add the admixture to the dry mix.**

STORAGE

Store in frost-free condition away from sunlight or extreme heat. For best result, use within one year of date of manufacture.

LIMITED WARRANTY INFORMATION – PLEASE READ CAREFULLY -The information contained herein is offered in good faith and is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, the results obtained may differ depending on usage or workmanship.