



KEM BLOCK AID 1

Admixture for concrete blocks & Paver blocks

Ref. CA/OA-V1-0812

Description

Concrete blocks use mix of Cement, Sand, Stone chip/crusher dust with low w/c ratio suitable for moulding in block making machines. These mixes have very low work ability. KEM BLOCK AID 1 improves the work ability and homogeneity of the mix which help in attaining higher density of blocks when pressed in block machine or hand operated machines or cast at site in steel/wooden moulds.

KEM BLOCK AID 1 is developed to get over the deficiencies of dry concrete mixes. KEM BLOCK AID 1 admixed in the concrete mix at a nominal dosage of 140 ml per bag of cement dramatically improves the work ability and homogeneity of leaner mixes apart from improving overall strength and surface finish.

The block attains higher strength at early age hence/demoulding and handling of block without breakage is also possible to use leaner mix for the same strength.

Addition of Kem Block AID 1 to mix leads to uniform surface with smoother finish.

Uses

KEM BLOCK AID 1 is used as an admixture for making concrete blocks, paver blocks & cement blocks.

Advantages

- **Cohesiveness:** with KEM BLOCK AID 1, the concrete will not segregate. The surface will remain strong and uniform.
- **Workability:** can be spreaded easily, rapidly and could be pressed to higher density.
- **Economical:** This is because it cuts demoulding time of pressed block, reduces breakage and allows use of leaner mixes.

Typical Properties

Appearance	: Dark brown colored liquid.
Sp. Gravity @25°C	: 1.14 ± 0.02
pH value	: ≥ 6.0
Cl ⁻ content	: ≤ 0.2 %

Direction for use

Mixing Instruction: KEM BLOCK AID 1 is premixed with gauging water and added to mixture of Cement, Sand, Stone chips/Stone dust.

Mix thoroughly and then place the concrete in a normal manner into the mould of block making machine or steel/wooden mould for on site block making. It is advisable to cure blocks for minimum period of two weeks before use in construction.

Standard

KEM BLOCK AID 1 meets/exceeds the requirement as per IS 9103 and ASTM C494 – Type A &D.

Dosage

Add, KEM BLOCK AID 1 per bag of 50 kg. Cement in the proportion of 140 ml. However it is advisable to take trials of the costing yard to arrive at the correct dose for specific requirements.

Effect of over Dosage

Higher than the recommended dosage may result in bleed/segregation, extension of setting time & increased plastic shrinkage.

Packaging

KEM BLOCK AID 1 available in 1, 3 liters cans, 20 liters & 210 drum.

Storage and Shelf life

Store in damp proof covered godown.

1 year from the date of manufacture if stored in unopened containers at cool & dry place.



Technical Service

Chembond has established itself in various fields on the basis of its dependable technical service. For this purpose, we maintain a well equipped laboratory for research & quality assurance of all products. Our experienced personnel are always on call and would always be available for product demonstrations and product performance monitoring.

Safety precautions

KEM BLOCK AID 1 is non-toxic and non-flammable. However, any splashes on the human body, must be washed with plenty of water. If accidentally ingested, seek immediately medical attention. Keep away from the children's and animals.

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