

DESCRIPTION

AEA® is a ready to use liquid air-entraining admixture which produces a stable air void system in the mortar phase of concrete mixes. The action of AEA® is to generate a controlled quantity of air in discrete and uniformly dispersed microscopic bubbles which improves concrete workability and reduces bleed of the concrete mix after placement.

AEA® contains no chloride as an intentional component and has no TEA. AEA® is manufactured under rigid control which provides uniform and predictable performance when used in concrete. AEA® complies with AS 1478.1-2000, Type AEA.

BENEFITS

- Improves workability and placeability with reduction in water content
- Lowers the bleed potential of concrete specially in mixes deficient in fines
- Early finishing and setting times in cold climates
- Freeze-thaw cycling in cold climate areas
- Assists in pumping and concrete workability

APPLICATION

- Premix, precast and low slump concrete
- Slag, lightweight or manufactured aggregates that produces harsh concrete
- Natural sands, deficient in fines

INDICATIVE INFORMATION

Product Nature	liquid
Color	Light brown
Lifetime	12 months
Specific gravity (kg)	1,014 ± 0,005
pH	10,00 ± 1,00

PACKAGING

- Bulk
- IBC 1000L
- 205 L Drum
- Pail

METHOD OF USE

Dosage :

There is no standard dose rate for AEA®. The amount to be use depends upon the amount of air required under job conditions usually in the range of 3 to 6%. Typical factors which might influence the amount of air entrained in a mix can include temperature, cement type and amount, sand gradations and use of extra fine materials such as fly ash.

- A typical dose rate range from 50 to 100 ml / m³ of total cementitious material for normal concrete use
- A dose range of 300 to 500 ml / m³ of cementitious material can be considered for special applications i.e. barrier walls, kerb and channel and shotcrete

The efficiency of AEA® is greatly enhanced when used in conjunction with water reducing admixture i.e. WRDA® or MIRA® admixtures. This may allow a reduction of up to two-thirds in the amount of AEA® required for the specified air content. Chryso specialists can be contacted for specific dose guidance.

Equipment :

Please contact your local Chryso representative for further information regarding the dispensing equipment for this product.

COMPATIBILITY

- Compatible with accelerating and water reducing admixtures ; water reducing retarders
- When using admixtures in combination, each admixture should be added separately to the mix

PRECAUTIONS

AEA® contains no flammable ingredients. It freezes at about -1°C but its air- entraining properties are completely restored by thawing and thorough agitation.

SAFETY

Prior to any use, please read carefully the Safety Data Sheet (SDS).