

## LS AEA®

Air entraining admixture

### DESCRIPTION

LS 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 LS 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.

LS AEA® contains no Chloride as an intentional component and has no TEA. LS AEA® is manufactured under rigid control which provides uniform and predictable performance when used in concrete. LS 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
- Resistance to freeze-thaw cycling in cold climate areas

### APPLICATION

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

### INDICATIVE INFORMATION

<b>Product Nature</b>	Liquid
<b>Color</b>	Brown
<b>Lifetime</b>	12 months
<b>Specific gravity (kg)</b>	1,002 ± 0,001
<b>pH</b>	10,00 ± 1,00

### PACKAGING

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

### SAFETY

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

### METHOD OF USE

#### Dosage :

There is no standard dose rate for LS AEA®. The amount to be use depends upon the amount of air required under job conditions. Typical factors which might influence the amount of air entrained in a mix can include temperature, cement type and amount, sand gradations, manufactured sands and other admixtures used in the mix (type and dose rate) and the use of SCM's.

- A dose range of 100 to 500 ml / 100 kg TC for normal concrete use. At this dose rate, we can expect a 3 to 6% air entrainment in 20 and 25 Mpa concrete mixes.
- A dose range of 1,500 to 2,500 ml / 100 kg TC for special applications i.e. barrier walls, kerb and channel and shotcrete. The efficiency of LS AEA® is greatly enhanced when used in conjunction with water reducing admixture i.e. WRDA® or MIRA® admixtures. A dose rate reduction of 60% LS AEA® may be necessary to achieve the desired 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

- Water reducers such as Chryso®WRDA
- When using admixtures in combination, each admixture should be added separately to the mix

### PRECAUTIONS

LS AEA® will freeze at approximately -2°C but its air-entraining properties are completely restored after thawing and mechanical agitation.