OSPAVE 170

Water Reducing Air-Entraining Plasticiser

PRODUCT DESCRIPTION

Ospave 170 is an economical normal range water reducer based upon blended modified lignosulphonates and carefully selected surfactants. It is designed to entrain controlled and stable quantities of air in concrete mixes, whilst providing all the benefits of a normal range water reducing plasticiser. Ospave 170 if used correctly can achieve water reductions of up to 15%.

APPLICATIONS

Ospave 170 is used to improve the workability and durability of concrete if the water cement ratio is maintained resulting in minimal effect on strength. It is also used in extruded concrete where the concrete is formed as it is placed. When using Ospave 170 in concrete at over 50mm slump a controlled amount of stable air will be entrained, in many cases the strength drop that occurs with air-entrained concrete will be negated by the plasticising action of the admixture.

BENEFITS

- Increased resistance to freeze-thaw cycles.
- Improved surface finish.
- Increased durability of concrete.
- Reduced segregation and bleeding.
- Less shrinkage.

PROPERTIES

Nature:	Liquid
Appearance:	Dark Brown
Specific Gravity: (20°C)	1.13 g/cm³
pH:	8.0
Chloride Content:	< 0.10
Alkali Content (Na_2O):	< 1.50

ADDITION RATES

Dosage rates vary dependant on mix design, process, aggregate type and the desired effect but typically:

300mls - 600mls per 100 kg cement

(0.30% - 0.60% by weight of cement)

The correct dosage for the material package used should be determined by laboratory trials, please contact the OSCRETE Technical department for further advice.

STANDARDS

Ospave 170 is produced in accordance with the ISO 9001 Quality Management Standard and the ISO 14001 Environmental Management Standard.

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COMPATIBILITY

Ospave 170 is compatable with all types of EN197 cement systems.

Ospave 170 should not be pre-mixed with other admixtures and should be batched seperately.

STORAGE

Ospave 170 should be stored undercover and protected from extreme temperatures, if stored between the range 5°C to 30°C the product will have a minimum shelf life of 12 months.

HANDLING

Please refer to the **Ospave 170** material safety data sheet but in line with normal handling procedures, personal protective equipment should be worn.

Refer to the Material Safety Data Sheet for full details.

PACKAGING

200 litre drums, 1000 litre IBC's and bulk deliveries.

NOTES

Ospave 170 should be added with the water or at the end of the mixing process and not directly onto the cement. A mixing time of at least 30 seconds is recommended after the addition of the admixture.

If frozen **Ospave 170** may be used after thawing slowly at room temperature followed by intensive remixing.

Ospave 170 if overdosed will result in an increase in workability, set retardation and air content. The amount of increase will depend on the actual overdose, the temperature and the materials used, care should be made when batching to dispense the correct addition.

Please consult the OSCRETE technical department for advice on admixture selection.

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