

OSPAVE 180

High Performance Compaction Aid

Description

Ospave 180 is an economical high performance water reducer based upon the latest generation of polycarboxylate technology, it is designed to improve compaction and strength of the concrete with minimal effects on other properties.

Applications

Ospave 180 is used to improve the compaction of the concrete allowing for better finish and higher strengths, it is particularly beneficial in dry, semi-dry and hollowcore flooring.

Benefits in Concrete

- Increased early and final strength
- Reduced shrinkage
- Reduced permeability
- Increased density
- Improved compaction
- High strength hollowcore flooring

Properties

Nature	Liquid
Colour	Dark Brown
Specific Gravity	1.08 g/cm ³
pH	4.50
Chloride Content	<0.10%
Na ₂ O equivalent	<1.00%

Addition Rates

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

200mls - 1000mls per 100 kg cement
(0.20% - 1.00% 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 180 complies with the requirements of BS EN 934-2 and is produced in accordance with the ISO 9001 Quality Management Standard and the ISO 14001 Environmental Management Standard.



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Compatibility

Ospave 180 is compatible with all types of EN 197 cement systems.

Ospave 180 should not be pre-mixed with other admixtures and should be batched separately.

Storage

Ospave 180 should be stored undercover and protected from extreme temperatures, if stored unopened within the range 5°C and 30°C the product will have a minimum shelf life of 12 months.

Handling

Please refer to the **Ospave 180** Material Safety Data Sheet but in line with normal handling procedures, personal protective equipment should be worn.

Packaging

200 litre drums, 1000 litre IBCs and bulk deliveries.

Notes

Ospave 180 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 180** may be used after thawing slowly at room temperature followed by intensive remixing.

Ospave 180 when used in slumps higher than 50mm will entrain air, trial mixes will be needed to determine the amount of air per dose.

Please consult the OSCRETE Technical Department for advice on admixture selection.

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