

OPTOMIX PUMP AID

Concrete Pumping Aid

PRODUCT DESCRIPTION

Optomix Pump Aid is a water based polymer system and is used to increase the pumpability of concrete mixes by improving the rheology of the plastic concrete thereby reducing the required pump pressure.

APPLICATIONS

Optomix Pump Aid is an integral admixture designed specifically for improving the properties of pumped concrete. **Optomix Pump Aid** enhances the plasticity of concrete, improving rheology and reducing stress. **Optomix Pump Aid** can be used wherever concrete needs to be pumped or in harsh difficult aggregates where gap grading is an issue.

BENEFITS

- Improves cohesion and rheology.
- Reduces pump pressure.
- Reduces pump wear.
- Increases pump output.
- Corrects gap grading issues.
- Non-toxic & non-flammable.

PROPERTIES

Nature:	Liquid
Appearance:	Milky White
Specific Gravity: (20°C)	1.19 g/cm ³
pH:	9.5
Chloride Content:	< 0.10
Alkali Content (Na ₂ O):	< 1.00

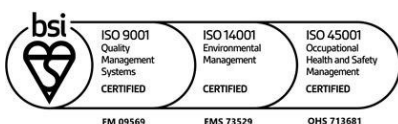
ADDITION RATES

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

500mls - 1000mls per 100kg cement
(0.50% - 1.0% by weight of cement)

STANDARDS

Optomix Pump Aid is produced in accordance with the ISO 9001 Quality Management Standard and the ISO 14001 Environmental Management Standard.



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COMPATIBILITY

Optomix Pump Aid is compatible with all types of EN 197 cement systems.

Optomix Pump Aid should not be premixed with other admixtures and should be batched separately.

STORAGE

Optomix Pump Aid should be protected from extreme temperature, frost and direct sunlight, the product has a minimum shelf life of 12 months.

HANDLING

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

PACKAGING

200 litres drums and 1000 litre IBC's.

NOTES

Optomix Pump Aid 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 **Optomix Pump Aid** cannot be reconstituted as the product will split.

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

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PDS 8159 Rev 01 17/07/2024

Disclaimer

The physical properties quoted are typical, and should not be taken as a specification. The information supplied in our literature is based on data and experience and is given in good faith. Our policy is one of continuous research and development and we reserve the right to update this information at any time; customers should therefore ensure they have the latest issue. Whilst we guarantee the consistent high quality of our products, we have no control over the circumstances in which our materials are used, site conditions or the execution of the work and are therefore unable to accept any liability for any loss or damage which may arise as a result thereof. Materials are supplied in accordance with our standard conditions of sale.

