

OPTOMIX VM28

Roller Compacted Concrete Admixture

PRODUCT DESCRIPTION

Optomix VM28 is based on an inorganic water based colloidal nano-silica. **Optomix VM28** is used to improve the surface finish of power floated roller compacted concrete, which enables reduced water evaporation, increased surface hardness and improved abrasion resistance.

APPLICATIONS

Optomix VM28 can be used a spray applied topping or an integral admixture in the production of roller compacted concrete, Due to its fine particle size **Optomix VM28** improves the cement/aggregate grading which helps the compaction, prevents segregation and improves surface finish. **Optomix VM28** can also help with mix designs where gap grading is an issue.

BENEFITS

- Improves cohesion.
- Improves water resistance.
- Improves surface finish.
- Improves abrasion resistance.
- Corrects gap grading issues.
- Non-toxic & non-flammable.

PROPERTIES

Nature:	Liquid
Appearance:	Milky White
Specific Gravity: (20°C)	1.20 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:

Surface Coating—Typical coverage 5.0m² per litre

Internal—Typically 0.50% - 1.5% by weight of cement

STANDARDS

Optomix VM28 is produced in accordance with the ISO 9001 Quality Management Standard and the ISO 14001 Environmental Management Standard.



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COMPATIBILITY

Optomix VM28 is compatible with all types of EN 197 cement systems.

Optomix VM28 should not be premixed with other admixtures and should be batched separately.

STORAGE

Optomix VM28 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 VM28** 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

Spray Applied

Optomix VM28 should be applied directly ahead of the power float or trowel finisher by a high volume sprayer, make sure that **Optomix VM28** is worked into the surface to bring as much paste to the surface as possible.

Integral

Optomix VM28 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.

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

OSCRETE is a division of Christeyns UK Ltd
Rutland Street
Bradford
West Yorkshire
BD4 7EA
United Kingdom

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.

Telephone: +44 (0)1274 393286
Fax: +44 (0)1274 309143
E-mail: info@oscrete.com
Website: www.oscrete.com

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