

# 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)	1.19 g/cm <sup>3</sup>
pH:	9.5
Chloride Content:	< 0.10
Alkali Content (Na <sub>2</sub> 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 5.0m<sup>2</sup> 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 UK Limited  
Rutland Street  
Bradford  
West Yorkshire  
BD4 7EA  
United Kingdom

Telephone: +44 (0)1274 086299  
E-mail: [technical@oscrete.com](mailto:technical@oscrete.com)  
Website: [www.oscrete.com](http://www.oscrete.com)

PDS 8159 Rev 03 02/01/2024

#### Disclaimer

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