

OPTOMIX RCC

Roller Compacted Concrete Admixture

PRODUCT DESCRIPTION

Optomix RCC is based on an inorganic water based colloidal nano-silica system. **Optomix RCC** 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 RCC 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 RCC** improves the cement/aggregate grading which helps the compaction, prevents segregation and improves surface finish. **Optomix RCC** can also help with mix designs where gap grading is an issue.

SURFACE FINISH

Optomix RCC gives reduced water evaporation improving the curing properties of the concrete, it increases surface hardness and improves abrasion resistance.

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 ³
pH:	9.5
Chloride Content:	< 0.10
Alkali Content (Na ₂ O):	< 1.00

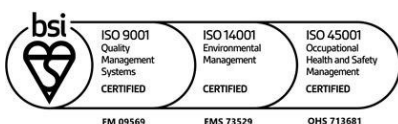
ADDITION RATES

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



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COMPATIBILITY

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

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

STORAGE

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

Integral

Optomix RCC 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.

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Disclaimer

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