



## MICROCONE RRP 124

High strength road repair material

### Description

MICROCONE RRP 124 is supplied as a ready to use blend of dry powders, which requires only the addition of clean water to produce a highly consistent, lightweight repair mortar suitable for general purpose RCC roads.

### Advantages

- Resistant to abrasion and weather conditions
- Skid resistance, non-reflective finish with color matching with concrete
- Fast setting so that repaired patch can accept traffic in as little as one hour
- Resistance to deicing chemicals & various industrial chemicals
- Good bond between concrete and steel, Impermeable
- Flexible enough to accommodate anticipated expansion and contraction
- Ultra-violet Resistance, User friendly and paintable
- Manufacturer of the material should have the good track record & experience in such kind of repair products
- Economical

### Uses

- RCC concrete roads

### Compliance standard:

- ASTM C157-93: Test for drying shrinkage DIN 1048 Pt. 5: Test for permeability
- BS 1881 Pt. 122: Test for water absorption

## Technical Information

PROPERTIES	RESULTS
Compressive strength	35 N/mm <sup>2</sup> at 7 days 70 N/mm <sup>2</sup> at 28 days
Flexural strength	> 6.5 N/mm <sup>2</sup> at 28 days
Drying shrinkage	< 300 micro strain 7 days < 500 micro strain 28 days
Permeability	<10mm
Water absorption	<2%

## Benefits

- **Cost effective** – shrinkage control enables repairs to be completed 'right first time'.
- **Enhanced durability** – works in tandem with extremely low Permeability to prolong effective working life.
- **User friendly** – specifically developed to provide an easy to- apply product, suitable for local conditions.
- **Definable performance** – positive benefits are easily demonstrated via a single, simple measurement.

## Design Criteria

- Dimensional Stability Technology is a major step forward in the general compatibility of repair mortar systems with the host concrete, and the control of shrinkage in particular. Attention to the basic design criteria given below should ensure that the full benefits of this technology are gained in use:

Recommended limits for a single application are:

- **Minimum applied thickness** : 10 mm (Overhead sections up to 50 mm thick)
- **Small pockets or horizontal** : up to 100 mm thick
- **Maximum length** : up to 3 m

## Instruction for use

- Clean the concrete surface from dust, oil, grease if present on surface.
- Remove destroyed part from particular place up to healthy layer
- Wet the surface by sprinkling clean water
- Place the MICROCONE RRP 124 prepare paste to patches and let it to set and then cure as recommended

## Coverage

- Approx.19.5 kg/m<sup>3</sup> per 10 mm thickness

## Packaging:

- MICROCONE RRP 124 is supplied in 25 kg bags.

## Shelf life:


- MICROCONE RRP 124 has a shelf life of 12 months; if kept in a dry environment, in its original, unopened packing. If stored in conditions of high humidity and/or temperature, the shelf life may be reduced to as little as 4 months.

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