

Abrasive resistant concrete and shotcrete

Uses

Rappass C is a highly abrasion resistant cementitious formulation used to line new or rehabilitate existing ore passes. Rappass C can also be used as lining for outfalls, spillages and similar structures.

Advantages

- Factory controlled pre-packaging enables ease of handling.
- High ultimate strength and excellent abrasion resistance.
- Chloride free.
- Non-flammable.

Description

A special concrete mix design of highly abrasive resistant aggregates, blended cements and chemical admixtures, requiring the addition of water to produce a flowing concrete consistency.

Technical Support

Minova RSA provides a technical advisory service supported by a team of specialists in the field. The service includes on site assistance and advice on evaluation trials and laboratory work.

Properties

Fresh wet density

Rappass C : 2400 – 2500 kg/m³.

Comprehensive Strength

Tested in accordance with BS 1881, Part 4, 1970.

Age (days)	Compressive Strength (MPa)
	Rappass C
3	45
7	60
28	65

Application Instructions

Mixing

Mixing should ideally be carried out mechanically using a free fall or forced action concrete mixer. The quantity of water required to achieve the correct workability should be 2.25 litres of water to each 25kg bag to achieve a flowing concrete consistency. Always add powder to water and mix for a minimum of 3 minutes.

Estimating

Pack size: 25kg

Coverage guide to Rappass C quantities:

93 bags/1m³

Note: Allowance for wastage should be made when estimating.

Storage

Shelf life : 12 months

Storage conditions:

Store Rappass C unopened in original bags in dry conditions. Storage outside these guide lines may impair shelf life.

Precautions

Health and safety

Rappass C is non-toxic. Goggles and gloves should be worn during application. Splashes on skin or eyes should be removed with clean water. In cases of splashes in the eyes, seek medical advice immediately. See Material Safety Data Sheet.

Additional information

Minova RSA is a market leader specialising in the supply of high performance chemical products for the mining and tunnelling industries.

The Minova RSA range of mining products includes backfill systems, bagged cement products, high yield grouts, mine coatings, equipment and accessories for which a product brochure is available on request.

Important note

Minova RSA products are guaranteed against defective materials and manufacture and are sold subject to its standard terms and conditions of sale, copies of which may be obtained on request. Whilst Minova RSA endeavours to ensure that any advice, recommendation, specification or information it may give is accurate and correct, it cannot, because it has no direct or continuous control over where or how its products are applied, accept any liability either directly or indirectly arising from the use of its products, whether or not in accordance with any advice, specification, recommendation or information given by it.

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