

TECHNICAL INFORMATION

CEMROK WET SPRAY CONCRETE

Product Data Sheet: Concrete Repair and Installation

DESCRIPTION

Cemrok Wet Spray Concrete is a range of high performance pre-blended repair materials for wet spray application. **Cemrok Wet Spray Concrete** is supplied in powder form and have a fine grained grey appearance in dry state.

Cemrok Wet Spray Concrete consists of a blend of quality assured ingredients including portland cement, microsilica, cementitious based and chemical water reducers, and crushed and graded fillers. The typical particle size ranges from between 0 and 3mm.

USES

Cemrok Wet Spray Concrete is designed for general wet spraying applications where a moderate to high in-situ strength is required. Examples of use would include rock face and mine working stabilisation, tunnel repairs and steel protection, general refurbishment and architectural profiling.

Cemrok Wet Spray Concrete is available with Polypropylene or steel fibres incorporated into the mix for additional reinforcement.

ADVANTAGES

- Available in low, moderate and high strengths
- Rapid strength gain
- Low rebound
- High bond to concrete
- Non-corrosive
- No chloride admixtures
- Low water absorption
- One Component
- No Mixing at the nozzle

TYPICAL PERFORMANCE

For more details contact:
03444 630 046 or pozament@tarmacbp.co.uk

MIXING AND PLACING

Cemrok Wet Spray Concrete should be mixed using water which complies with BS EN 1008 (as for conventional concrete). **Cemrok Wet Spray Concrete** can be mixed and placed with most types of concrete or mortar mixing equipment. For each 25kg sack add approximately 4.0 litres of water. Mix for at least 3 minutes or until the constituents are fully dispersed and a homogeneous mixture is obtained.

Before application the receiving surface should be thoroughly cleaned and structurally sound. High pressure jet washing is advised to remove loose and unstable materials that would weaken the bonding process. Grit cleaning or prescabbaling is also recommended. After cleaning, and before spray concrete is applied, the receiving surface should be thoroughly wetted to generate a damp surface.

FINISHING AND CURING

Cemrok Wet Spray Concrete should be profiled as soon as possible after application. If a thin layer of finishing coat is required then this should take place with the minimum of disruption to the previously applied base coat.

To achieve optimal performance it is essential to carry out a system of curing to maintain the repair in a damp condition for as long as possible.

Direct exposure to drying winds or sun should be avoided. Covering with hessian or polythene sheeting is recommended although spray application of proprietary curing compounds is good practice.

The information given in this technical data sheet is based on our current knowledge and is intended to provide general notes on our products and their uses. Tarmac endeavour to ensure that the information given is accurate, but accept no liability for its use or its suitability for particular application because of the product being used by the third party without our supervision. Any existing intellectual property right must be observed.

TYPICAL PERFORMANCE

Values are derived from specimens produced and cured in lab conditions at 20°C and at a WSR of 0.1.

The below table states typical performance of **Cemrok Wet Spray Concrete**. Polypropylene or steel fibres can be added to the standard, accelerated or highly accelerated variants for reinforcement.

Product Name	Product Features	Compressive Strength Development (N/mm ²)						25kg Bags/ M ³
		24 hours	7 days	28 days	Initial Set	Final Set	Dry Density (kg)	
CEMROK 30 WS	Standard	10	20	30	2 hours	3 hours	2000-2100	80
CEMROK 40 WS	Standard	13	25	45	2 hours	3 hours	2000-2100	80
CEMROK 50 WS	Standard	15	28	50	2 hours	3 hours	2000-2100	80
CEMROK 30 WS/PF	Polypropylene Fibres	10	20	30	2 hours	3 hours	2000-2100	80
CEMROK 40 WS/PF	Polypropylene Fibres	13	25	45	2 hours	3 hours	2000-2100	80
CEMROK 50 WS/PF	Polypropylene Fibres	15	28	50	2 hours	3 hours	2000-2100	80
CEMROK 30 WS/SF	Steel Fibres	10	20	30	2 hours	3 hours	2000-2100	80
CEMROK 40 WS/SF	Steel Fibres	13	25	45	2 hours	3 hours	2000-2100	80
CEMROK 50 WS/SF	Steel Fibres	15	28	50	2 hours	3 hours	2000-2100	80

PACKAGING AND STORAGE

Cemrok Wet Spray Concrete is available in nominal 25kg sacks, palletised and shrink wrapped. **Cemrok Wet Spray Concrete** may also be available in Intermediate Bulk Containers or in Bulk Powder Tankers.

Palletised **Cemrok Wet Spray Concrete** should be stored in cool dry areas clear of the ground, sheeted or under cover and stacked not more than two pallets high. The products should be used on a first in - first out basis.

Shelf life is minimum 3 months but could be in excess of 6 months subject to temperature and humidity.

If supplied in bulk **Cemrok Wet Spray Concrete** should be stored in cement type silos with suitable dust control and batch weigh equipment.

QUALITY CONTROL HEALTH & SAFETY

All Pozament products are factory blended, tested and packaged to quality control procedures in accordance with BS EN ISO 9001.

CLEAN UP AND SPILAGES

Dry powders should be swept up and disposed of in accordance with the Local Authority.

HEALTH & SAFETY

Health and safety advice, which must be followed, can be found on the Material Safety Data Sheet. Users are advised to wear face mask, goggles, gloves and overalls when handling, mixing and applying cementitious products.

Contains Portland Cement Contains Chromium (VI), which may produce an allergic reaction. Clothing contaminated by wet cement should be removed immediately and washed before reuse. R38 - Irritating to skin. R41 - Risk to serious damage to eyes. S26 - In case of contact with eyes, rinse immediately with water and seek medical advice. S37/39 - Wear suitable gloves and eye/face protection. S2 - Keep out of reach of children.

INFORMATION, PRICES & ORDERING

For technical information, pricing and to place orders contact our Sales Office on the following:

Telephone: 03444 630 046

Email: pozament@tarmacbp.co.uk

Visit our website: Pozament.co.uk

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