

Product Data Sheet

ROADMASTER MORTAR RAPID (RAPID PLUS)

ROADMASTER MORTAR AND CONCRETES

Description

HIGH EARLY STRENGTH BEDDING MORTAR

(D.o.T. Highways Agency spec HD27/04 compliant)

Roadmaster Mortar Rapid comprises cement and a blend of graded selected aggregates and special additives.

Roadmaster Mortar Rapid is a rapid set mortar which can be opened to traffic after approximately 60 minutes under ambient conditions (18-22°C) and complies with:

Department of Transport HD 27/04 Design Manual for Roads and Bridges Vol 7 Sec 2 Clause 3.11 Mortars for bedding iron work such as manhole cover frames may be trafficked when the strength is expected to be 20N/mm². For rapid construction, this strength should be achieved within 2 hours.

Uses

Roadmaster Mortar Rapid is intended for bedding applications that require high early strength to help reduce construction and road closure time. Specific highways uses include the bedding of inspection chamber frames and covers, gully grates, stanchion posts and many other street furniture applications. The mortar is compatible for use with concrete, brick and stone substrates.

Benefits

- Performance.
- Controlled quick setting.
- High early strength.
- Easy to use.
- Pre-packed.
- One component.
- Only water to add.

Product Data

Yield

Based on the optimum water:powder ratio 0.12.

Litres produce/25kg bag	25kg bags/m ³ product
12.2	82

Typical product performance*

Compressive strength at 18 - 22°							
45 mins	1 hr	2hrs	3hrs	1 day	7 days	28 days	
14-16	20-22	44-46	54-56	64-66	74-76	94-96	
Flexural N/mm ²							
45 mins	1 hr	2hrs	3hrs	1 day	7 days	28 days	
3-3.5	4-4.5	4.5-5	5-5.5	6-6.5	7-7.5	7.5-8	
Density				2300kg/m ³			
Initial Set				10-20 mins			

* typical values; all tests carried out based on the optimum water:powder ratio 0.13

Mixing

Mix complete sacks only using water which complies with BS EN 1008 (as for concrete).

For best results use a forced-action high shear mixer. Alternatively, use a slow-speed drill or mix by hand.

The volume of water necessary will depend upon the consistency required.

Water content, litres/25kg bag

Optimum 3-3.25

Add the powder steadily to the required pre-measured volume of water and mix until a homogenous consistency has been achieved.

Application

Substrate Quality

All substrates must be clean and free from laitance, dust and loose particles. All traces of contamination, such as oils, grease and chemicals should be removed.

Substrate Penetration

Proper surface preparation is vital to ensure the successful application and durable performance of the mortar.

All substrates should be dampened with water prior to the application of the mortar, but should be free from standing water.

The mortar should not be applied in thicknesses less than 10mm.

Clean Up

Tools and equipment can be cleaned easily with water. Cleaning of tools and equipment should be carried out as soon as practicable, well away from the application area.

Packaging and Storage

Roadmaster Mortar Rapid is available in nominal 25kg sacks, palletised and shrink wrapped.

Palletised **Roadmaster Mortar Rapid** should be stored in cool dry areas clear of the ground sheeted or under cover and stacked not more than two pallets high.

Protect from moisture and temperatures below 5°C.

The product should be used on a first in – first out basis.

In unopened packaging the shelf life is 6 months for paper bags and 12 months for plastic bags (from the date shown on the bag), subject to correct storage conditions.

Quality Control

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

Clean up and Spillages

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

Information, prices & ordering

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

Telephone: **08444 630046** Fax: **08443 099703**

Email: **pozament@tarmac.co.uk**

Visit our website: **www.pozament.co.uk**

Pozament - Tarmac Building Products Ltd.,
Swains Park Industrial Estate, Park Road,
Overseal, Swadlincote, Derbyshire DE12 6JT.

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 of 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