

PRESENTATION

DESCRIPTION

The product **MORTEX® RAPID +** is an anthracite grey-coloured powder which seals cracks in concrete and masonry.

The product **MORTEX® RAPID +** can be used when pressurised water is present. The product **MORTEX® RAPID +** provides a fast and effective solution to problems involving the ingress of water under pressure.

APPLICATIONS

Interior and exterior. Above or below ground level. For patching (repairing) and preparing before using other **MORTEX®** and **BEALSTONE®** brand systems.

For use in light-duty tanking (casing) applications: lining basements, cellars, lift pits, tanks, foundations, swimming pools, ponds, etc.

The product **MORTEX® RAPID +** has been specially developed to plug holes and cracks through which pressurised water may be flowing

The product **MORTEX® RAPID +** has been designed to seal against water, even as a repair for terracotta pipes, etc.

ADVANTAGES

- The product is mineral, like the substrate
- Continuous covering
- Impermeable
- Strong
- Flexible
- Good adherence
- The product **MORTEX® RAPID +** sets very quickly (in less than 30 seconds after heating – refer to “Application instructions”). This very rapid setting time makes this product a very high performance product.
- Very easy to use
- Quick to use to block the ingress of water under pressure; usually requiring just one application of the product.

TECHNICAL SPECIFICATION

IDENTIFICATION DATA	
State	Solid
Appearance	Powder
Colour	Grey
Packaging	25 kg bags (net weight) 5 kg tubs (net weight)
Storage	6 months in a dry place, protected from frost and with no contact with the ground, in the sealed, original packaging. Never leave the products in direct sunlight.
Customs classification	38 16 00 00
APPLICATION INFORMATION	
Application temperature	+5°C min. to +30°C max.
Air humidity	65 % min. and 90 % max. Ensure that air-drying equipment (dehumidifiers, air conditioning units, etc.) is not used for 1 week before and for 1 week after performing the work, as well as while work working.
Working time (at 20°C)	Max. 5 min
Drying time (at 20°C)	Dry to the touch: 5 min Ok for light-duty use 1 h Completely dry: 7 days

Refer to the legal information at the end of the document

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APPLICATION

SUBSTRATE AND PREPARATION

The substrate must be:

- mineral with normal levels of porosity;
- sound, clean, non-shiny, free from dust and grease;
- hard, solid, non-chalking, with no through-holes and with all concrete or render fully set;
- structurally sound.

It is essential to take the precautions necessary to avoid, wherever possible, any movement of the substrate resulting from expansion, or to differences between surface and internal tensions, and shear forces.

It is essential to ensure that the substrate is stable. If in doubt, contact us. Carrying out a test is always a good idea.

PREPARING THE MIXED PRODUCT

Pour the water required to make up the mix into a flexible rubber bowl (or even half a football) and then pour in the powder.

Mix only as much product as is necessary to plug up the ingress of water. The product cannot be refreshed by re-mixing once it has started to set. Always conduct a test beforehand to work out the quantity and setting time required, which varies depending on the ambient temperature and the humidity of the air.

The setting time of the product **MORTEX® RAPID +** can be delayed by adding fine sand.

The setting time can be accelerated by mixing hot water with hot powder (e.g. Powder warmed in the sun). Caution: under these conditions the product sets very quickly.

APPLICATION INSTRUCTIONS FOR DIFFERENT TYPES OF JOB

The product is very easy to use. Simply mix the powder with water. Using your hand (wearing rubber gloves) or a small trowel, mix the powder and water together well to produce a uniform and lump-free product. Pick up the product in the palm of your hand, check that it is slightly warm (only if there is a flow of water) and then apply it to the substrate. The amount of pressure to apply and how long to hold the product in place are proportional to the water pressure present. Always try to make the substrate compatible with a secure hold by opening up the cracks below the surface, if possible, into a "dovetail" shape.

When plugging holes or cracks in solid or hollow blocks of concrete, where "beading" or "pearls of water" appear due to minor ingresses of water, you can apply the product **MORTEX® RAPID +** using a leather glove, repeating the application if necessary until the flow of water ceases.

When attempting to plug challenging leaks, you can speed up the setting time by using hot water and hot powder (e.g. warmed up by the sun). Alternatively, the setting time can be slowed to the required rate by adding up to 50% sand. Take care when using sands. Always use clean sand whose particle size is suited to the opening to be blocked.

The product **MORTEX® RAPID +** can also be used as a sealing product, however, for sealing applications you may prefer to use one of our range of sealing products.

When tackling a complex problem, start by filling in with the product **MORTEX® RAPID +** around the main point of ingress of water, to block the areas which might be susceptible to leaking.

Explanation: if you start by applying the product **MORTEX® RAPID +** to the zones from which the water is escaping, the water will inevitably try to find an alternative pathway via which to escape. Once you have started to repair the fault using the product **MORTEX® RAPID +**, you should always continue with the same product. This approach delivers satisfactory results, but can be slow and laborious. Indeed, the product **MORTEX® RAPID +** can only be prepared in very small quantities.

The product **MORTEX® RAPID +** can be covered by other **MORTEX®** and **BEALSTONE®** brand systems. However, in certain cases, it may be left uncovered (repairs of clay pipes, etc, sealing)

Refer to the legal information at the end of the document

MISCELLANEOUS**CLEANING TOOLS**

All tools can be cleaned using water, as long as the product has not hardened. If the product has already started to set, leave the tools to soak for 30 minutes in water before cleaning.

WARNINGS

The work area must be protected from rain, sun, wind and frost until completely dry and until it is filled with water (for certain constructions, such as a swimming pool).

In enclosed and poorly ventilated spaces, large amounts of condensation may form after applying the product, due to the lower relative temperature of the walls. Increasing the ventilation will usually resolve this problem quickly. Dehumidifying equipment should not be used during the 28 days following the application of the product.

We strongly advise against applying the product to substrates containing salts (sodium sulphate, nitrates, calcium, etc.).

ADVICE

BEAL strongly recommends following one or more training courses on **MORTEX®** brand products depending on the nature of the work to be performed. BEAL regularly organises, either at its head offices or at the distributors' premises, various training courses (covering all its product systems). These are available to professionals and individuals, in Belgium and in other countries (visit www.beal.be).

If additional help is required after completing the training courses, on-site sessions can be arranged. For more information, contact us.

Depending on the intended application of the product, follow the instructions carefully. Never use products other than those described in this document, to avoid any risk of problems.

For the same site and the same type of product, always use products bearing the same batch number.

ENVIRONMENT

Dispose of waste in a specialist collection centre.

SAFETY

Contains lime, cement, silicates and additives. Avoid inhaling the powder when mixing. Protect your skin and eyes. Wear gloves. In case of contact with eyes or skin, rinse the area directly with plenty of clean water. In the event of a problem, consult a specialist. Refer to the safety sheet that is available upon request or which can be viewed on www.beal.be

LEGAL INFORMATION

The technical instructions and in particular the recommendations about how to apply and use the products are provided in good faith and are based on the current knowledge and experience acquired by BEAL about its products when they are properly stored, handled and applied under normal conditions. In practice, variations in the various materials, substrates and specific conditions encountered on site are such that adhering to this information or to any written recommendation or advice given does not deliver any guarantee of marketable quality other than the statutory guarantee against hidden defects. We accept no liability should the customer fail to adhere to our instructions or recommendations when applying a product. None of the data and information provided relating to the use and application of our product releases customers from the requirement to conduct their own checks and tests. All order are accepted subject to our current general terms and conditions of business. It is essential that users read the most recent version of the instructions for the product in question, which will be sent to them on request.

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