



Leak repairing mortar

DESCRIPTION

Rayston Plug is a technical cementitious composition for water leak treatment in concrete and other solid supports.

APPLICATIONS

- Water tight plugs in vertical surfaces
- Leak sealing in underground structures
- On-site water pipe repairs
- Emergency gas leak repairs

ADVANTAGES

- Fast curing
- Excellent adhesion
- Permanent sealing
- Mechanical properties similar to concrete
- Easy application.

TECHNICAL DATA

PRODUCT DATA	
Colour and description	Gray dust
Grain size (max)	<0.8 mm
Mixing ratio	With water: 28% by weight
Minimum application temperature	5°C
Curing	3 to 5 hours (20°C, 50% rh), early hardening 24 to 48 hours, cured
Packaging	Metal containers, 25 kg
Storage	Keep indoors, in a dry, cool place. Keep away from moisture, sunlight and frost.
Use before	12 months after manufacturing date.

INFORMATION FINAL ON THE PRODUCT

Final state	Gray solid
Mechanical properties	Flexural strength 52 Compressions strength: 407

SUPPORT REQUIREMENTS

In order to achieve a good penetration and bonding, support must be:

1. Solid, firm, rough, free of dust, loose particles, oils, organic residues or laitance
2. Fissures must have a minimum depth of 3 cm and be 3 to 4 cm wide.

Before application, if not wet, apply some water on the support (not in excess).

MIXING

Move the container before opening to stir the contents. Mix only the quantity to be employed in a time span of 5 minutes.
Pour the required amount of water in a bucket and add Rayston Plug, mixing quickly until an homogeneous mixture is achieved.

Approximate ratio is 0, 28 litres of water for one kilo of Rayston Plug.

APPLICATION

Apply and hold firmly in place until early hardening. Do not spread over the area or pour. Put the mass into the fissure and wait until early hardening or a noticeable heating. Remove excess and regularize.

In case of big leaks, start working on the less pressure area and progress until finishing. Leave a suitable draining tube if necessary at the last section.

In expansion joints, do not use Rayston Plug as sealer because it is too rigid. Rayston Plug is only a temporary leak stopper. Fill the joint with elastic products (e.g Rayston Flex 3000)

CURING TIME

Depending on water temperature, early hardening is achieved in 5 minutes. To prevent a too short working time, the product can be cooled down using cold water.

To accelerate curing, in cold weather, use of warm water is possible. Keep the product moist during the first 30 minutes after application.

Rayston Plug can be covered with other cementitious products after 48 hours.

SAFETY

General precautionary measures when handling chemicals are advisable. Rayston Plug is not toxic but it is abrasive. Refer to the Material Safety Data Sheet for more information. In general, suitable protective clothing and eye protection is advisable. Avoid dust inhalation. This product is not suitable for DIY applications and it is reserved for professional users.

ENVIRONMENTAL PRECAUTIONS

Empty containers must be handled with the same precautions as if they were full. Dispose of the container according to the local law.

OTHER INFORMATION

The information contained in this Data Sheet, as well as our advice, both written as verbal or provided through testing, are based on our experience, and they do not constitute any product guarantee for the installer, who must consider them as simple information.

We recommend to study deeply all information provided before proceeding to the use or application of any of our products, and strongly advise to conduct tests "on-site" in order to determine their convenience for a specific project.

Our recommendations do not exempt of the obligation of installers to deeply study the right application method for these systems before use, as well as to conduct as many preliminary tests as possible should any doubt arise. The application, use and processing of our products are beyond our control, and therefore under the exclusive responsibility of the installer. In consequence, the installer will be the only responsible of any damage derived from the partial or total in-observation of our indications, and in general, of the inappropriate use or application of these materials.

This Data Sheet supersedes previous versions.

