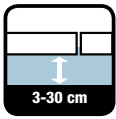


CERMIROAD MB

MICRO-CONCRETE FOR ROAD EDGES, SEALING MANHOLE AND HYDRANT COVERS



Grey Black



DESCRIPTION

High strength micro-concrete, fibre-reinforced, ready to mix.

ADVANTAGES

- Shrinkage-compensating
- Thixotropic: does not require formwork
- High mechanical, initial and final strengths
- Short setting time for fast return to service
- Resistant to freeze/thaw cycles and de-icing salts
- Can be applied over a wide temperature range

WHERE TO USE

- Product suitable for rapid repairs of thicknesses greater than 30 mm (holes, channels, potholes, etc.)
- Edging for all types of manholes and hydrant covers
- Rapid filling of crane rails and tracks
- Bridge supports
- Urban furniture
- Cast repairs requiring high mechanical strength quickly

HOW TO USE

Note: The following is a typical description of the application. If your site has other parameters, contact our Technical Department.



2,5-3 L
for 25 Kg



Application
temperature
5°C 30°C



400-600
rpm



Clean with
water



Pot life
10 min

SUITABLE SUBSTRATES

Concrete

Do not use directly on asphalt or asphalt mix.

SURFACE PREPARATION

Before applying the product to the substrate, ensure that it is perfectly clean, free of friable parts, free of grease, oil or other soiling that would interfere with good grip. Methods that achieve this include finishing with a bush hammer, milling, hammering or any other method that is sufficiently efficient to produce an adhesion value greater than 1.5 MPa on average.

After preparation, moisten the substrate thoroughly, until saturated. Clear away any residual water. The substrate will be "mat damp". If, however, the substrate remains questionable, using a CERMILATEX type cement slurry will be essential.

PRODUCT PREPARATION

Water for mixing: 2.5 l to 3.0 l of water for one 25 kg bag of CERMIROAD MB.
Mechanical preparation: pour the CERMIROAD MB into the mixing water and then mix at slow speed using a helical mixer.
Manual preparation: pour the CERMIROAD MB into the wheelbarrow or trough, add the mixing water and mix with a trowel.
Mixing time: approx. 3 min.
When the temperature is above +25°C, store the product in shade and use cold water.

APPLICATION

Manhole sealing

Apply in straight 10 cm vertical edges around the hole, until you reach the head or a solid support.
Apply a first coat of CERMIROAD MB to the support previously moistened as a bed.
Place the element to be sealed and pour the CERMIROAD MB. The filling can be completed by vibrating the CERMIROAD MB with a needle.
Make ground bare (if subsequent covering by asphalt is planned, leave a 3 cm reserve). Any product that begins to harden should no longer be used.
As soon as the micro-concrete is mat or de-moulded, an effective cure must be carried out.

APPLICATION CONDITIONS

Application temperature: +5°C to +30°C

Pot life (handling time): 10 minutes at 21°C

Start of set: > 20 minutes at 21°C

End of set: < 60 minutes at 21°C

Do not apply on frozen substrates.

Ambient temperature	Return to service (for indication only)*
+ 5°C	4 hours
+ 20°C	2 hours

* Laboratory values given as an indication.

CLEANING AND MAINTENANCE

The equipment must be cleaned immediately with clean water. Once cured, the product has to be removed mechanically

TECHNICAL CHARACTERISTICS

COVERAGE

2.3 kg of powder to make 1 litre of micro-concrete or 2.3 tons of powder per 1 m³ (excluding losses).

TECHNICAL CHARACTERISTICS

Technical Characteristics	Value	
Particle size	0-8 mm	
Compressive strength*	at 2 hr	> 20 MPa
	at 24 hr	> 30 MPa
	at 7 days	> 50 MPa
	at 28 days	> 70 MPa
Flexural strength*	at 2 hr	> 3 MPa
	at 24 hr	> 5 MPa
	at 7 days	> 7 MPa
	at 28 days	> 9 MPa
Direct traction adhesion at 28 days	> 2 MPa	
Paste density	2,2	

* Laboratory values given as an indication.
Mechanical strengths at 21°C and 50% RH: 10.5% water.

PACKAGING

25 kg bag – 48 bags per pallet

STORAGE & SHELF LIFE

Can be stored for 12 months from the manufacturing date in the original, unopened packaging.

Store in a dry place, at temperatures between +5°C and +35°C.

PRÉCAUTIONS DE SÉCURITÉ

- EMISSIONS IN INDOOR AIR (1): Information on the level of volatile substances emitted in air indoors, presenting a toxicity risk by inhalation, on a classification scale ranging from A+ (very low emissions) to C (high emissions).
- Consult the safety data sheet at www.quickfds.fr or ask CERMIX France for it.
- Always wear personal protective equipment that meets current guidelines and regulations.
- Dispose of the contents and container in accordance with local/regional/national/international regulations.

We reserve the right to update this technical document. It is the user's responsibility to always check whether there is a more recent version available at our website, www.cermix.com. It is the responsibility of the person using the products to ensure that the products are compatible and suitable for the planned use. Prior tests may be carried out to confirm that products behave as expected.