

SIRIOBETON RV

Fibre-reinforced non-shrink mortar for vertical structural repairs



[info. PRECAUTIONS]

Work only with clean water that is not excessively cold and clean containers. Use in accordance with the instructions on the technical data sheet and safety data sheet. Wear full protective clothing. Consult the toxicological data sheet.

[info. CONSUMPTION]

Approximately 19 kg/m² of surface area per 1 cm of thickness.

[info. WATER DOSAGE]

Approximately 17 litres per 100 kg of product.

[info. MAXIMUM INERT DIAMETER]

About 1,5 mm.

[info. PACKAGING]

25 kg bag.

[info. STORAGE]

12 months in original, unopened packaging, stored in a dry, protected environment at a temperature between +5°C and +35°C.

[info. TECHNICAL SERVICE]

Detailed technical instructions on the use of the products can be requested from your local representative or directly from PROIND srl.

SIRIOBETON RV is a ready-to-use cementitious mixture with polymer additives which, after mixing with water, can be easily applied with a trowel and standard plastering tools; **The layers of the applied and hardened material will have extremely high adhesion, durability, impermeability, exceptional mechanical resistance and will be free from shrinkage.** The product does not contain any metal components.

Fields of application

- Structural plaster in general.
- Structural restoration of degraded surfaces.
- On vertical surfaces and ceilings in general, or wherever the following requirements are needed: easy spreadability and application, strong and immediate adhesion to the substrate, elimination of waste, dimensional stability and very high physical-mechanical resistance.

Instructions for use

- Remove all degraded concrete completely and thoroughly until a sound surface is obtained, free of loose parts and substances that could compromise the adhesion of SIRIOBETON RV to the substrate.
- Prepare suitable reinforcement bars fixed to the substrate at a suitable distance.
- Wet the contact surfaces until completely saturated, starting a few hours before casting, to saturate the porosity of the substrate.
- Excess water on the surface or in surface cavities must be removed with compressed air or sponges immediately before application.
- Average water required for the mixture: approximately 17 L per 100 kg of Siriobeton RV.
- Mix for 3-5 minutes in a concrete mixer already containing 2/3 of the water required for the mixture.
- Achieve the desired workability with a final addition of water. The total amount of water may vary depending on the ambient thermo-hygrometric conditions.
- After application, as soon as setting has taken place, keep the surface of the mortar moist and in any case prevent the water it contains from evaporating; this is particularly important in hot, dry and windy weather. Optimal results are obtained by keeping the surface wet for 3-5 days.
- Thick vertical layers or ceilings must be applied in several stages to prevent the weight of the material from 'tearing' it while it is still plastic, resulting in cracks.

Advantages

- Its thixotropic properties ensure excellent adhesion to the substrate and easy application on vertical surfaces, undersides of beams, corbels and ceilings.
- Can be applied using standard manual or mechanical tools normally used for plastering.
- No bleeding.
- Very strong adhesion to the substrate and exceptional mechanical resistance.
- Maximum durability against chemical attacks, impermeability to penetration even under pressure.