

ASOCRET-IM

CONCRETE REPAIR MORTAR WITH CRYSTALLINE WATERPROOFING ACTION

Product Description:

- Mineral-based.
- Water impermeable.
- Also suitable under hydrostatic water pressure.
- Vapour permeable.
- Easy to use.
- Supports self-healing of concrete.
- Can also be applied on damp substrates.

Primary Uses:

ASOCRET-IM is used for the watertight filling of opened-up cracks and cavities that are to be covered subsequently with AQUAFIN®-IC. Alternatively, ASOCRET-IM can also be used to form covered fillets.

Technical Properties:

Basis	: sand/cement, inorganic.
Colour	: grey.
Loose density	: 1.4 kg/dm ³ .
Water demand	: 3.75 – 4.25 litres. per 25 kg bag.
Mixing time	: 3 minutes (drill mixer at 300 – 700 rpm).
Pot life	: approx. 30 minutes (+23° C / 60% RH).
Application/Surface Temperature	: +5° C to +30° C. Lower temperatures shorten, higher temperatures lengthen the setting.
Compressive Strength	: approx. 36 N/mm ² (after 28 days).

Surface Preparation:

Use ASOCRET-IM exclusively on concrete and reinforced concrete substrates that are clean, sound, load-bearing, open-pored and porous. Abrade smooth and dense substrates. Contaminated surfaces should be appropriately prepared by a suitable method (e.g., sand-blasting, high-pressure jetting, shot-blasting or grit-blasting). Dampen substrates well with water but avoid the formation of puddles. Plug water leaks with FIX-10-S or FIX 20-T. Chisel out static cracks to a minimum width of 20 mm and a minimum depth of 25 mm. Before filling, pre-coat the sides with AQUAFIN-IC and seal up to the surface with ASOCRET-IM whilst the bond coat is still wet. Repair dynamic cracks by injecting AQUAFIN-P1/P4. Form cement-based covered fillets at the wall/base slab junction as well as at corners and edges. Apply a slurry bonding coat of AQUAFIN-IC to the substrate when forming covered fillets, with an approx. 4 cm side length and apply the ASOCRET-IM whilst it is still wet. After approx. 1 - 3 hours overcoat the ASOCRET-IM with AQUAFIN-IC. If this is not possible then roughen up the surface again once fully hardened and coat with AQUAFIN-IC.

Product Preparation:

Pour 3.75 – 4.25 litres of clean water into a mixing bucket and thoroughly stir in as much dry powder (drill with a paddle 300 – 700 rpm) until a lump-free homogenous trowellable paste is achieved. Apply the mortar with a trowel or float. Only mix sufficient material that can be used within 30 minutes. Application to larger areas can be carried out up to max. 10 mm thickness in one layer.



Estimating and supply:

Packaging: 25 kg paper bags

Material consumption:

- U-shapeded cracks cut out to 20 x 25 mm: approx. 1.3 kg/m.
- Coved fillets approx. 38 mm haunch height: approx. 1.3 kg/m.

Cleaning & Equipment Maintenance:

Cleaning of equipment whilst still fresh with water. Remove dried-on material with ASO-Steinreiniger cleaner.

Storage and Shelf life:

When stored dry, 12 months in original unopened packaging. Use opened packaging immediately.

Important advice:

- A sound substrate is a prerequisite for a durable bond between the substrate and coating system. Weakly bonded substances or those that interfere with bonding must be completely removed. High-pressure jetting (> 400 bar) with a rotating spray head, very high-pressure jetting (up to 2.000 bar) and blasting with solid blasting abrasives are suitable methods. The final cleaning method must be a water jet method.
- Protect areas not being treated from the effects of ASOCRET-IM.
- ASOCRET-IM may not be used as an additive for concrete or renders i.e., it may not be mixed with such products.
- The reaction between ASOCRET-IM and free lime in the concrete can lead to small incidences of efflorescence. This is not a defect and can be brushed away.
- Do not apply to dry substrates.

- Use suitable protective measures to prevent ASOCRET-IM from dewatering too quickly.
- Overcoat the ASOCRET-IM with AQUAFIN®-IC after 1 – 2 hours. Where this is not possible abrade the surface again and subsequently coat it with AQUAFIN®-IC.
- Varying final colour depends on the varying moisture content of the concrete.

