

SMART ZINC®130 Magnesite

Smart Zinc®130 Magnesite compact galvanic anodes are for magnesite floor corrosion prevention application

The Problem:

In the 1960s and 70s in Sydney, the use of magnesite as a floor covering was common and widespread in residential unit development. Since its installation, it has become evident that after a period of 30 years or more, and due to long term exposure to household moisture and/or water ingress through balcony doors, the magnesite topping has been the source of chloride ingress into the concrete slab. This has led to chloride-initiated corrosion of the steel reinforcement in the concrete floor, resulting in cracking, spalling and 'lumping' of the concrete below the floor covering, with the condition commonly referred to as 'concrete cancer'.

The Solution:

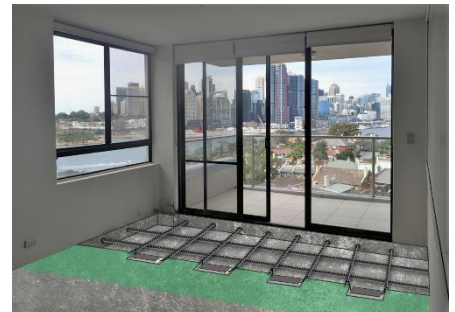
- Fully or partially remove the magnesite from all suspected areas of concrete corrosion damage.
- Perform testing to identify all spalled areas and high corrosion risk areas in the floor.
- Carry out concrete breakout to remove damaged concrete.
- Clean the rebar to a bright metal condition and restore rebar with section loss as instructed by an engineer.
- Repair behind the rebar in all affected locations.
- Install SMART ZINC® 130 Magnesite anodes at the border of the repair area and the original concrete and in all high corrosion risk areas.
- Seal the floor to prevent further ingress of moisture.
- Apply floor leveling as required to original level.

Features and Benefits:

- Proven technology and simple installation.
- Alkali-activated zinc anode.
- Compact anode size (150 mm x 40 mm x 20 mm).
- Anode suitable for embedment in thin slabs.
- 130 g of zinc in each anode offering long-term protection.
- the anodes must be fully embedded in low resistivity repair mortar
- Designed for uniform incipient anode prevention.
- Installation procedure and accessories available from Savcor Products Australia.

Exclusive distribution in Australia by Savcor Products Australia Pty Ltd

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Savcor products are provided with a standard limited warranty against defects for a period of 12 months from the date of sale. To obtain a complete copy of Savcor's limited warranty, contact Savcor. Savcor Products Australia Pty. Ltd. does not assume any liability associated with the use of this product. It is the responsibility of the user to assess and determine the suitability of this material for corrosion protection of reinforced concrete structures. Since the use of this product is beyond Savcor Products Australia's control, no guarantee, expressed or implied, is made by Savcor Products Australia as to the results of such use and the suitability of this product for a particular application.