

mart-PRIMER ZR

SINGLE COMPONENT POLYURETHANE-BASED ZINC-RICH PRIMER

DESCRIPTION

mart-Primer ZR, is a low viscosity, fast drying, high solid, high performance single-component Zinc-Rich Primer designed to provide active anti-corrosion coating for steel reinforcement.

CHARACTERISTICS/ADVANTAGES

- Easy application, single component
- Cost effective
- Fast Drying
- High zinc content provides superior corrosion protection of steel
- For use with entire range of **mart-Repair** mortars.

FOR BEST RESULTS

- It is critical, to ensure that correct preparation of substrates is followed.
- Do not dilute the primer.
- Freshly prepared surfaces must be coated before flash rusting can occur.

APPLICATION

Surface Preparation:

- Corroded steel must be fully exposed and cleaned to a bright condition.
- Remove existing corrosion by sandblasting or mechanical means (wire brush).
- All rust, loose material and other contaminants which may contribute to bonding or further corrosion issues must be totally removed.
- Minimum of 20mm breakout is recommended to expose the corroded steel to allow proper preparation and application of **mart-Primer ZR**.

Application:

- Stir content thoroughly prior to and during use to ensure homogenous mixture.
- With a stiff bristle brush, shortened at an angle by 50%, apply **mart-Primer ZR** to prepared area.
- Ensuring thorough coverage, specifically addressing the back of the steel during application.
- If an unbroken coating was not achieved by using one coat, a second coat should be applied within the over coating time.
- Second coat can be applied once first coat is touched dried normally at least 30 minutes
- Application of repair material should be carried out as soon as the **mart-Primer ZR** is fully dry.
- Primed area should not be left exposed for more than 3 days, re-priming of surface will be required.

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CLEANING AND STORAGE

- Remove excess uncured sealant from surfaces and tools immediately with **mart-Clean**.
- Take note that cured primer is almost impossible to remove from tools.
- Store in a cool dry place.
- 12-month Shelf life if kept in the original packaging.

PACKAGING

mart-Primer ZR comes in 1lt & 2lt.

HEALTH AND SAFETY

- Contains organic solvents.
- Product is flammable, and care must be taken to remove all possible sources of ignition.
- Do not use in confined spaces.
- Ensure adequate ventilation and the absence of any ignition source.
- Wear protective clothing.
- In case of eye contact wash well with water and obtain medical advice.
- Refer to **mart-Primer ZR** MSDS sheet.

NOTE: Zinc reacts with moisture with the subsequent release of hydrogen gas. Do not expose the uncured product to liquid water in a work or fire situation as evolved hydrogen will combust if ignited.

COVERAGE

Approximate Coverage for estimating purposes
10-12m² per lt.

TYPICAL PHYSICAL & CHEMICAL PROPERTIES

Mixing Ratio:	Single Component
Practical Cure:	1 - 6 Hrs - Dependant on % RH and Temp
Full Cure:	24 Hrs
Tensile Strength:	2,0 - 2,5 Mpa
Colour:	Natural Zinc
Solid Content:	80%
Shelf life:	12 months
Application Temperature:	5 - 35°C



Disclaimer: The information contained in this document is given to the best of Mart Solutions' knowledge and is the result of extensive testing. However, this document will not under any circumstances be considered as a warranty involving Mart Solutions' liability in case of misuse. Tests should be carried out before any use of the product to ensure that the methods and conditions of use of the product are satisfactory. Mart Solutions specialists are at the disposal of the users in order to help them with any problems encountered.