



Butyl Products Ltd.

Magnelis® coating on Emergency Aid steel tanks 2024.

NEWSLETTER



The team at Butyl Products Ltd are excited to announce that we are introducing an advanced new metallic coating on our range of Emergency Aid tanks from January 2024.

We have been testing the material in South Sudan and LATAM over the past 18 months with excellent feedback from our partners.

In anticipation of positive feedback we have been scheduling our steel orders for the past 12 months to enable a phased switchover to the new material with full integration of Magnelis® coated steel from January 2024.

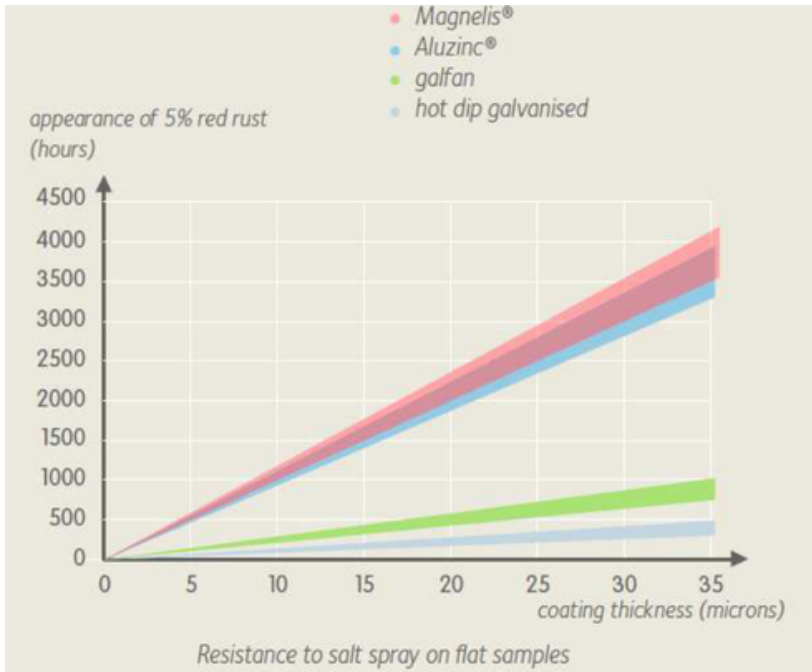
According to the manufacturers comparative data, Magnelis® offers superior protection compared to equivalent products, thanks to its advanced coating and self-healing properties.

What is Magnelis®?

A metallic Zinc based coating containing 3.5% Aluminium and 3% Magnesium that offers ultimate corrosion resistance in usual aggressive environments (e.g. chloride, ammonia & highly alkaline).

What is unique about Magnelis®?

- ✓ Improved corrosion resistance for the same coating thickness.
- ✓ Reduction of the metallic coating weight for the same corrosion resistance.
- ✓ Excellent cut-edge protection (self-healing effect)





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Magnelis® benefits:

1. **Zinc-Aluminium-Magnesium Coating:**

Magnelis is steel coated with a special zinc, aluminium, and magnesium alloy. This combination provides enhanced corrosion resistance compared to traditional zinc or galvanized coatings.

2. **Self-Healing Properties:** Magnelis has self-healing properties, which means that if the coating is scratched or damaged, the zinc in the coating can protect exposed steel by forming a protective layer. This helps prevent the spread of corrosion and prolongs the life of the material.



3. **Longer Lifespan:** Due to its superior corrosion resistance, Magnelis-coated steel is known for having a longer lifespan (up to 3 times longer than standard galvanized steel) when exposed to harsh environments, making it a preferred choice in industries like construction, automotive, and renewable energy.

4. **Reduced Maintenance:** The self-healing properties and enhanced corrosion resistance of Magnelis can lead to lower maintenance costs over time, as there's less need for repairs or recoating.

5. **Environmentally Friendly:** Uses less Zinc than traditional galvanized steel, longer lasting, less maintenance and is 100% recyclable.

6. **Technical approvals:** Germany: German Institute for Building Technology DIBt Z-30.11-51 for Magnelis in contact with soil and water, France: ETPM for Magnelis by CSTB, Sweden: Technical Approval no SC0559-13, UK: Steel Construction Institute (SCI) concluded that the coating was appropriate for use when specified in construction.