

## FolaSal® StronSal®

### General properties of StronSal®

StronSal®, a newly developed hot-dipped coating for steel products, provides ultimate corrosion protection properties that add up to a high performance coating for all applications where zinc-plated steel is essential.

- StronSal® consists of zinc and small fractions of magnesium (1 to 2%) and aluminum (1 to 2%).
- StronSal® offers extraordinary corrosion protection with coating layers of constant properties and reduced thickness by comparison with standard hot-dip galvanized layers (Z). Salt spray tests returned a corrosion resistance two to six times higher by comparison with standard zinc coating.



Example of use: facade cladding

- StronSal® impresses with convincing, superior varnish adhesion.
- StronSal® offers improved cutting edge protection. Thanks to its special resistance against corrosion, the protective effect achieved with this anticorrosive plating is significantly higher than the protection produced by standard products.
- StronSal® offers tremendous resource saving potential thanks to the zinc savings achieved. Our latest product developments make a substantial, sustained contribution to environmental protection.

### Special features of FolaSal® StronSal®

The product combines the positive properties of the FolaSal® organic surface coating with the extraordinary corrosion protection of StronSal®.

- The composite material benefits from the improved metallic substrate material.
- Organic coating can consist of synthetic resin varnish or plastic dispersions. The product range is rounded off by decorative or protective foil coatings.
- FolaSal® StronSal® varnish and foil coatings provide properties that are tailored to meet the requirements of all central fields of applications.

- The FolaSal® StronSal® coating system is approved by DIBt for applications in light-weight steel construction. FolaSal® StronSal® meets requirements in accordance with corrosion protection class KIII to DIN 55928-8. (Applies to coating systems with a minimum zinc plating (ZM) density of 140 g/m<sup>2</sup> and a varnish layer thickness of 25 µm.)

### Product range FolaSal® StronSal®

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| • Zinc coating   | ZM100<br>ZM140   |
| • Steel grades   | DX51D+ZM<br>DX52D+ZM<br>DX53D+ZM<br>DX54D+ZM<br>S220GD+ZM<br>S250GD+ZM<br>S280GD+ZM<br>S320GD+ZM |
| • Thickness range [mm]                                       | 0.40 - 2.50  |
| • Width range [mm]   | 900 - 1,610  |
| • Coating systems, colourings and colour range like FolaSal® |  |

We constantly refine and enhance the delivery programme for FolaSal® StronSal®. Please contact our sales people regarding your current requirement.