

TECHNICAL DATA SHEET

omeras
SURFACES IN ENAMEL

| PROPERTY | TEST METHOD / NORM STANDARD | RESULT |
|--|--|--|
| Steel | DIN EN ISO 28722 / DIN EN 10209 | DC01EK / DC03ED enamelling steel |
| Steel thickness | DIN EN ISO 28722 / DIN EN 10209 | Range 0,6 - 3,0 mm Typically 1,5 mm |
| Specific weight without backing | Omeras enamelled steel | 14 kg/m ² |
| Measurement of coating thickness - frontal | DIN EN ISO 28722 / ISO 2178 | 180-450 µm |
| Measurement of coating thickness - back | DIN EN ISO 28722 / ISO 2178 | > 100 µm |
| Flatness | DIN EN ISO 28722 | 0,5 % of the diagonal line |
| Hardness of Mohs | DIN EN ISO 28722 / EN 101 | Min. 5 Mohs |
| Adhesion of Enamel | DIN EN ISO 28722/ DIN EN 10209 | Min. level 1-2 |
| Porosity | DIN EN ISO 28722/ EN ISO 8289 2002 METHOD B | Max. 10 pores/m ² |
| Resistance to scratch | DIN EN ISO 28722 / EN ISO 15695 | Min. 7 |
| Resistance to abrasion | DIN EN ISO 28722 / ASTM-C-501 | Max. 0,1 gr |
| Resistance to impact | DIN EN ISO 28722 / ISO 4532 | >= 20 N |
| Resistance to acid in cold | DIN EN ISO 28706-1 SECTION 9 | Min. class AA |
| Resistance to acid in boiling | DIN EN ISO 28706-2 SECTION 10 | < 1,6 gr/m ² |
| Resistance to graffiti | DEZ MB 7.14.3.1 | Yes |
| Color | DIN EN ISO 105-J03 | A large scale of standard and special colors; According to the agreement |
| Gloss level | ISO 2813 | Between 65 - 100 % According to the agreement |
| Surface Appearance | DIN EN ISO 28722 | No defects |
| Salt spray test | ISO 9227 | 1.000 h in central area |
| Non-combustible test (A1) | EN 13501 | A1 |
| Release of smouldering gases | DIN 53436 at 400 °C | no gases / non toxic |

Omeras enameled panels are manufactured in accordance with DIN EN ISO 28722:2011 Characteristics of enamel coatings applied to steel panels intended for architecture.

Omeras GmbH is certified to DIN EN ISO 9001:2008 standards.

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