

TECHNICAL DATA SHEET

omeras
SURFACES IN ENAMEL

PROPERTY	TEST METHOD / NORM STANDARD	RESULT
Steel	DIN EN ISO 10209	DC01EK / DC03ED enamelling steel
Steel thickness	DIN EN ISO 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 2178	180-450 µm
Measurement of coating thickness - back	DIN EN ISO 2178	>100 µm
Flatness	DIN EN ISO 28722	0,5 % of the diagonal line
Hardness according to Mohs	DIN EN ISO 28722:2011	Min. 5 Mohs
Adhesion of Enamel	DIN EN ISO 28722:2011 section 5.1 – adherence	Min. level 1-2
Porostiy	EN ISO 8289 2002 METHOD B	Max. 10 pores/m ²
Resistance to scratch	DIN EN ISO 15695	Min. 7
Resistance to abrasion	ASTMC-501	Max. 0,1 gr
Resistance to impact	DIN 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	DIN EN ISO 2813	Between 30 - 100 % According to the agreement
Surface Appearance	DIN EN ISO 28722	No defects
Salt spray test	DIN EN ISO 9227	1.000 h in central area
Non-combustible test (A1)	DIN EN 13501	A1 / A2 (reinforced)
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 9001:2015 standards.

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