

TECHNICAL SPECIFICATIONS

BASIC

Onwall Surfaces® is a large format wall covering, created with the aim of decorating both commercial and residential interiors.

It is a composite panel with external layers of aluminum and polyethylene core, lightweight, robust, and easily manipulated. Its technical qualities provide a great dimensional stability and high resistance to moisture.

Onwall Surfaces® Basic series has a thickness of 4mm and a size of 2440x1220mm (Matt finish) and 2440x1200mm (Gloss finish).

Onwall Surfaces® Basic series comes in three different finishes: Gloss finish, with a spectacular High Gloss finish, Matt finish, with an attractive matte textured finish and Silk finish, with a silky finish.

ONWALL
ALUMINUM SURFACES

FEATURES	VALUES			STANDARD
Finishes	MATT	SILK	GLOSS	-
Size (mm)	1220X2440X4	1200X2440X4	1200X2440X4	-
Fire resistant	CS1D0			EN 13501-1 2007+A1 2010
Resistance to cold liquids (1h)	5			UNE-EN 12720 09+A1 2014
Resistance to impact by falling ball (1) High in mm Diameter of foot print in mm	>2.000 <10			UNE-EN 14323 2017
Scratch resistance A (N)/method	>20	>20	>13	UNE-EN 15186 2012 (método A)
Antibacterial resistance	0			EN ISO 846 1997
Steam resistance (grade)	5			UNE-EN 14323 2017
Moist heat resistance 85°C	5			UNE-EN 12721 09+A1 2014
Dry heat resistance 100°C	5			UNE-EN 12722 09+A1 2014
Aluminium thickness	0,2mm			DIN 1784
Weight	5,80 Kg/m ²			-
Thermal linear expansion (2)	2,4 a 100°C mm/m			EN1999 1-1 (Diferencia de Tª °C)
Heat transfer coefficient U	5,48 W/m2k			DIN 4108
Temperature range	-50°C +60°C			-
Corrosion (240h)	whithout changes			UNE EN 14428/UNE EN 9227
Cleaning capability (3)	5			UNE EN 14428/UNE EN 12720
Stains and chemical products resistance (4)	whithout changes			UNE EN 14428
VOC emission test package including odour tests (Indoor Air Europe Superior) (5)	-			EN 16516

(1) The impact resistance of the coating and not the one of the support panel itself has been considered, since at that height there are no cracks or footprints greater than 10 mm. However, the support panel has some flatness deformation from lower drop heights, especially visible in the high-gloss sample.

(2) The value of 2.4mm/meter is at 100° room temperature. For every 20° temperature variation in the area where the product is installed, a maximum expansion of 0.48mm/m is acceptable.

(3) Products tested: bleach, vinegar, 96° alcohol, cleaning alcohol, mineral turpentine, Ammonia, Viakal and Fairy. In the case of turpentine, the result is 4.

(4) The products tested are acetic acid (10%), sodium hydroxide (10%), tanol (70%), bleach and methylene blue.

(5) French VOC regulations.