TECHNICAL SPECIFICATIONS
SERIE PREMIUM

ONWALL®
ALUMINUM SURFACES

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PREMIUM

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

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

Onwall Surfaces® Premium series comes in three different finishes: Gloss finish, with a high gloss finish, Silk finish, with a silky finish, and Matt finish, with a matte textured finish.

Onwall Surfaces® Premium series has a thickness of 4mm and a size of 2600x1220mm (Matt finish) and 2600x1200mm (Gloss and Silk finish).

Onwall Surfaces® Premium series has a fire resistance rating Bs1D0 and a scratch resistance greater than 20 Newtons.

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FEATURES	PREMIUM			STANDARD
Finishes	MATT	SILK	GLOSS	-
Size (mm)	1220X2600X4	1200X2600X4	1200X2600X4	-
Fire resistant		BS1D0		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) Higth 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 85ºC		5		UNE-EN 12721 09+A1 2014
Dry heat resistance 100ºC		5		UNE-EN 12722 09+A1 2014
Aluminium thickness		0,3mm		DIN 1784
Weight		6,30 Kg/m^2		-
Thermal linear expansion (2)		2,4 a 100ºC mm/m		EN1999 1-1 (Diferencia de Tª ºC)
Heat transfer coefficient U		5,48 W/m2k		DIN 4108
Temperature range		-50ºC +80ºC		-
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)		A+		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 100º room temperature. For every 20º temperature variation in the area where the product is installed, a maximum expansion of 0.48mm/m is acceptable.
(3) Products tested: bleach, vinegar, 96º 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.