



DESCRIPTION :

COATING A is a waterborne, very low VOC, high performance intumescent coating. This product is an excellent fire barrier thanks to the special formulation and the use of nanofillers. **COATING A** creates a film when applied and reacts violently to fire generating a non-flammable insulating foam that protects the surface for some time. **COATING A** represents a stable and long term protection for steel structures.

Name of product		COATING A	
Function of product		COATING A is an intumescent paint for interior use, designed for the fire protection of steel structures and tested according to the standards ENW 13381-4	
Form		LIQUID PAINT	
Raw Material		ACRYLIQUE DISPERSION	
Properties			
Property	Unit	Value	Test methods/standardisation
Chemical/physical properties			
Bulk density	g/cc	1,35	According to ISO 2811-1
Composition of materials	ACRYLIQUE	DISPERSION	
Solid content		69 +/- -1 %	
Structures and construction			
Dimension of product	m	n.a.	
Mechanical properties			
Compressive strenght	N/mm ²	0,97	According to UNI EN ISO 12390-3
Flexural strenght	N/mm ²	0,35	According to UNI EN ISO 12390-5
Tensile strenght	N/mm ²	n.a.	
Shrinkage	mm/m	n.a.	
Thermal properties			
Thermal conductivity	W/(m·K)	0,079	According to UNI EN 12667
Specific heat capacity	J/(g·K)	n.a.	
Hygrothermal properties			
Water vapour diffusion resistance factor		9	According to UNI EN 1015-19:2008
Moisture buffer value	Kg/(m ² ·h ^{0.5})	CLASS W3	According to UNI EN 1062-1:2005
Water vapour permeability	m	CLASS V2	According to UNI EN ISO 7783:2012
Acoustic properties			
Sound absorption coefficient	%	n.a.	
Sound reduction index	dB	n.a.	
Fire safety			
Reaction to fire		A1	According to UNI EN 13501-1
Resistance to fire	Minutes	15 - 200	According to EN 13381-4 and EN 13501-2

Environmental properties

Embodied energy (% renewable)	MJ/Kg	n.a.	
GHG emissions	Kg CO ₂ eq	n.a.	
TVOC (SVOV)		0,3%	
Radon	Bq/m ³	< 300	Radon detector : (RAMON 2.2)
Photocatalytic capacity			No photocatalytic ability