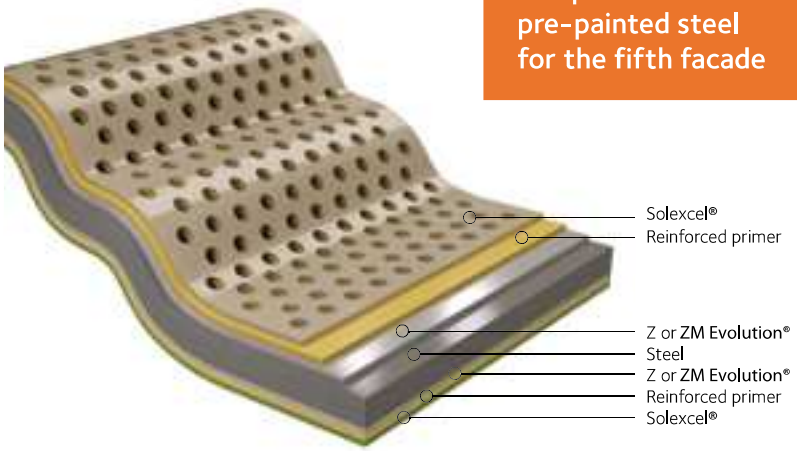
SOLEXCEL®

Technicality

ArcelorMittal

The perforated pre-painted steel for the fifth facade



For sun-screens

Standards in force

Metal substrate
NF EN 10346
CSTB agreement (AC2012697)
DIBT (Z-30.11-61) or SITAC SC0799-13

Organic coating
XP P 34-301 and NF EN 10169

Coating description

Constitution
Composite coating
Top coat: Solexcel® on reinforced primer
Back coat: Solexcel® on reinforced primer

Gloss
Grained aspect, smooth gloss

We recommend the perforations R10T14 and R6T10, especially adapted for sun-screens.

Properties and recommendations

Excellent resistance to ultraviolet, abrasion, scratches
Excellent stability of color and aspect


Sun-screen

Zinc coating	Rural non polluted	Urban and industrial		Marine				Special	
		Normal	Severe*	20 to 10 km	10 to 3 km	3 to 1 km*	Mixed*	High U.V	Special
Solexcel® 60/60	A	A	C	A	B	C	C	A	C

A : the product is suitable **B : as per survey** **C : the product is not suitable**

* Steel thickness limited to 0,75 mm for the profile and 1mm for the siding. For others thicknesses, please consult us.

Coating properties

Paint hardness	Pencil hardness	H-2H	**Color Gloss**	UV resistance (lab test)	ΔE ≤ 2 Gloss retention ≥ 80%
Abrasion resistance	Sand blasting	120 liters	**Corrosion**	Salt spray test	750 hours
	TABER	40 mg		Humidity resistance	1500 hours
Flexibility	Brutal indentation	No peeling	**Chemical agents**	Acids, bases and solvents Consult us	Acids and bases > Very good Nitric acid vapors > Very good Mineral oils > Very good Aliphatic solvents > Very good Aromatic solvents > Good Ketonic solvents > Poor Chlorine solvents > Poor
	Bending	2t without cracking			
	ERICHSEN	Very good	**Fire behavior**	Euroclass	Single skin: A1 / Double skin: F
Thermal resistance	Oven	Maxi: 100°C	**Volatil organic compounds**	A+	A+, according french labelling