



A new generation of pre-painted steels

Standards in force

Metal substrate
 EN 10346: 2015
 CSTB: ETPM ZMevoLution®
 Zulassung Z-30.11-61

Organic coating
 EN 10169: 2010
 CSTB: ETPM ZMevoLution®

Coating description

Composition
 Composite coating
 Front: 20 µm of primer - 25 µm of top coat
 Back: Back coat category **CPI2**

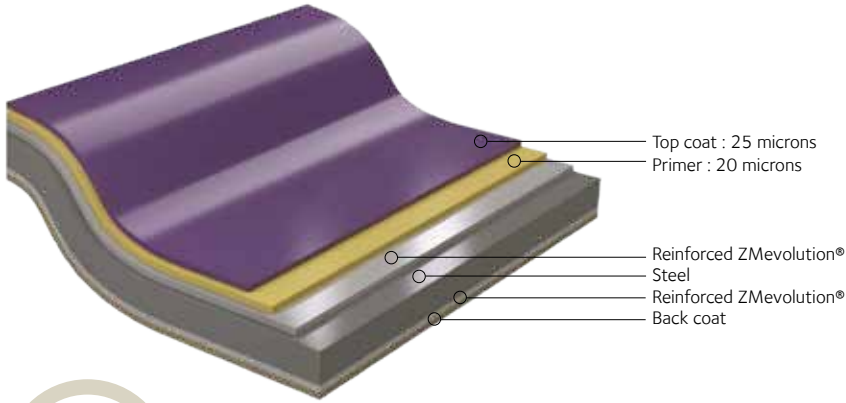
Possibilities
 Back: 45 µm on request

Gloss
 Grained aspect: reduced gloss 30 GU

Coating class

Indoor environment
 Category **CPI4** (NF EN 10169)

Outdoor environment
 Category **RUV4 and RC5** (NF EN 10169)



Properties and applications

Very good chemical agents resistance
 Excellent resistance to corrosion, ultraviolet rays, abrasion and scratches
 Excellent color and appearance stability
 Very high durability



Coating properties

Paint hardness	Pencil hardness	H-F	Color Gloss	UV resistance	$\Delta E \leq 2$ Gloss retention $\geq 80\%$
Abrasion resistance	Sand blasting	120 liters	Corrosion	Salt spray test	750 hours
	TABER	40 mg		Humidity resistance	1500 hours
Flexibility at 20 °c	Brutal indentation	No peeling	Chemical agents	Acids, bases and solvents	Acids and bases > Very good
	Bending	2t without cracking			Acid nitric vapor > Very good
Thermal resistance	Oven	Maxi : 100°C	Fire behavior	Euroclass	A1
					ERICHSEN
			Volatil organic compounds	A+	TVOC(C6-C16) 11,8 µg/m ³ CMR : benzene <0,7µg/m ³ Formaldehyd 3,9µg/m ³

Any trust guarantee must be validated/authorized by ArcelorMittal Construction and the durability will be defined by our specialists after analysis of the environmental questionnaire.