

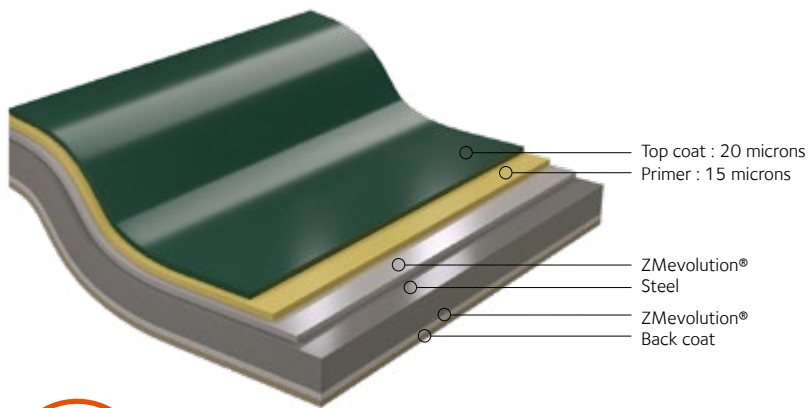


# Hairflon® 35

Freedom



ArcelorMittal



## Properties and applications

Good resistance to chemical agents, to corrosion, abrasion and erosion  
Very good ultraviolet ray resistance  
Very good flexibility  
Excellent color and appearance stability  
Anti-staining properties



## PVDF Technology

### Applicable standards

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

**Organic coating**  
EN 10169: 2013  
CSTB: ETPM ZMevoLution®  
Zulassung Z-30.11-61

### Coating description

**Composition**  
PVDF based thermoplastic fluoride resin (70%)  
Front: 15 µm of primer - 20 µm of top coat  
Back: Back coat category **CPI2**

**Possibilities**  
Back: 35 µm on request

**Gloss**  
Nominal: 20 GU

### Coating class

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

**Outdoor environment**  
Category **RUV4 and RC4** (NF EN 10169)  
Category **C3** (Zulassung Z-30.11-61)

## Coating properties

<b>Paint hardness</b>	Pencil hardness HB-B	<b>Color Gloss</b>	UV resistance $\Delta E \leq 2$ Gloss retention $\geq 60\%$
<b>Abrasion resistance</b>	Sand blasting 80 liters	<b>Corrosion</b>	Salt spray test 500 hours
	TABER 25 mg		Humidity resistance 1000 hours
<b>Flexibility at 20 °c</b>	Brutal indentation No peeling	<b>Chemical agents</b>	Acids, bases and solvents Acids and bases > Very good Acid nitric vapor > Very good Mineral oils > Very good Détergents > Very good Aliphatic solvents > Very good Aromatic solvent > Very good Ketonic solvents > Very good Chlorine solvents > Good Consult us
	Bending 2t without cracking		
	ERICHSEN Very good	<b>Fire behavior</b>	Euroclass Depends on application. Consult us.
<b>Thermal resistance</b>	Oven Maxi : 100°C	<b>Volatil organic compounds</b>	TVOC(C6-C16) 285329,5 µg/m³ CMR : benzene <0,6µg/m³ Formaldehyd 7,9µg/m³

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.