	<i>Document type</i> CAPABILITIES	CAP-ARC-0001
<i>Document title</i> Capabilities of ARCEO Engineering's coating lines Organic Coating and PVD		
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Company information:

Bank account information	Delivery address	Visitor address	Contact details
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Accepted substrates & Pretreatments:

HDG⁽¹⁾, Electro-galvanized Steel, Galfan, Stainless Steel (Ferritic/Austenitic), Tinplate, Laminated Zn, ECCS⁽²⁾, non passivated Aluzinc, Aluminium. Other products (Prepatinated Zinc, Copper, Aluzinc with easyfilm (warning: ecopassivated not accepted), AluSi with easyfilm on derogation).

Substrate/Pretreatment	None	Oil	Cr ⁺³	Cr ⁺⁶	E-passivation	Easy film	Organic coating	Other accepted surface conditions
Cold rolled steel	NOK ³	OK ⁴	NOK	NOK	NOK	OK	OK	/
HDG steel	OK	OK ⁴	NOK	NOK	NOK	OK	OK	/
Electro-galvanized steel	OK	OK ⁴	NOK	NOK	NOK	OK	OK	Phosphated
Aluzinc	OK	OK ⁴	NOK	NOK	NOK	OK	OK	/
Alusi	OK	OK ⁴	NOK	NOK	NOK	OK	OK	/
Stainless steel	OK	OK ⁴	NOK	NOK	NOK	OK	OK	Any surface finish (2B, 2R, Scotch – Brite, "Corked")
Aluminium	OK	OK ⁴	NOK	NOK	NOK	OK	OK	Anodized
Zinc	OK	OK ⁴	NOK	NOK	NOK	OK	OK	Phosphated

⁽¹⁾Hot Deep Galvanized.

³ On derogation if the coil is properly wrapped, without any red rust.

⁽²⁾Electrolytic Chromium Coated Steel.

⁴ **Max. Oil quantity = 0.5 gr/m² per side.**

ARCEO Engineering can coat other substrate materials and do other pretreatments upon request.

Substrate specs (dimensional and weight):

• **Organic coating (OC) line**

Steel, Stainless steel, Zinc substrates thickness: **(0,17 – 1,5)mm.**

Steel, Stainless steel, Zinc substrates width: **(700 – 1500)mm.**

Maximal OC section: 1.950 mm² > (1,3mm*1500mm; 1,4mm*1390mm; 1,5mm*1300mm).

Aluminium thickness: (0,5 – 1,5)mm.

Aluminium width: (700 – 1500)mm.

• **PVD line**

Steel, Stainless steel, Zinc substrates thickness: **(0,17 – 1,2)mm.**


Steel, Stainless steel, Zinc substrates width: **(700 – 1500)mm.**

Maximal PVD section: 1.050 mm² > (1400mm*0,75mm; 1500mm*0,70mm).

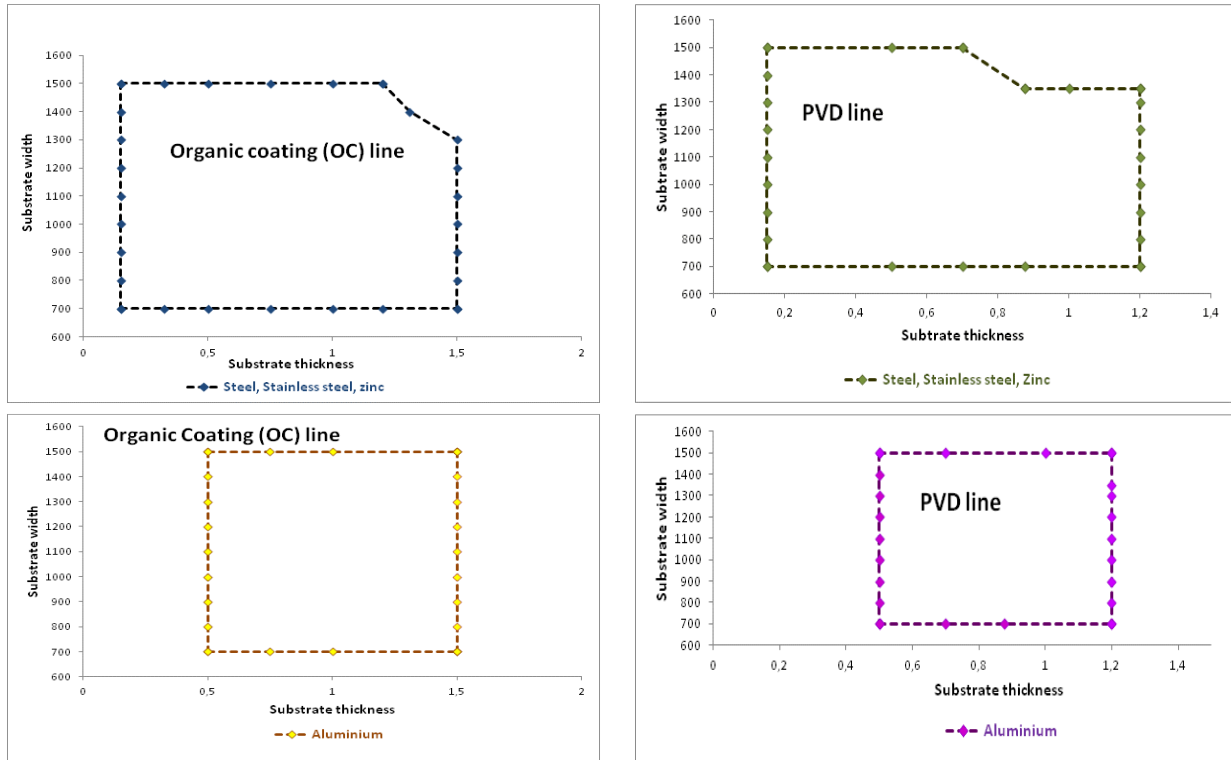
Aluminium thickness: (0,5 – 1,2)mm.

Aluminium width: (700 – 1500)mm.

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L. Allegro		H. Cornil
Electronic signature		Electronic signature

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Graphical synthesis:



Coil specs:


Coil diameter <u>External diameter</u> Entrance ⁽⁵⁾ : Max. 1.590mm Exit: Max. 1.450mm <u>Internal diameter</u> Entrance : (508 or 610)mm Exit : (508 or 610)mm	Coil weight Entrance : Min. 2.000Kg (for Al 700Kg) Max. 12.500Kg (for Al 6.170Kg) Exit: Min. 1.000Kg (for Al 700Kg) Max. 12.500Kg (for Al 6.170Kg)	Minimal coil length 400 m at the entrance
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⁽⁵⁾Up to 1.640mm on request.

Appearance guarantee:

- Appearance guarantee only on A-side
- Appearance ability on the B-side:
 - ❖ **Steel, stainless steel, Zinc substrate:**
 Good B-side appearance for thickness > 0,4mm.
 Good B-side appearance for 0,3mm < thickness < 0,4mm only for Mat finish.
 Aesthetic coating not accepted for thickness < 0,3mm.
 - Aluminum substrate:**
 Good B-side appearance for thickness > 1,1mm.
 Good B-side appearance for 0,85mm < thickness < 1,1mm only with Mat finish.
 Aesthetic coating not accepted for thickness < 0,85mm.

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Line description:

Uncoilers	Peelable film	Inspection
Paper between spirals is accepted. Peelable film is refused at uncoiling.	Only 1 side. At the exit of OC and PVD lines before coiling.	1 side (A-side preferred). Less guarantee on the B-side. Defect spotting: by stickers. Inspection document: available. Guaranteed appearance: on demand. Standards: AFNOR A36-401, DIN 1623, NBN 770 Inspection station: after accumulator exit.

Deliveries:

In case of no particular agreement, the customer is responsible for taking care of his substrate delivery to ARCEO Engineering's facilities, following these instructions:

- Delivery address: Rue Sompré 1, B-4400 Ivoz-Ramet (BE), Gate 37 – Sector 9004.
- Reception hours: From Monday through Thursday (7h00 to 16h30). Friday (7h00 to 14h30).
- Vehicle: Truck with roof opening (side opening is allowed if coils are on pallets, smaller than 5tons each and placed in the truck side on the "eye to the side").
- It is the customer's responsibility that the transporter weighs every truck before and after substrate unloading. If not, ARCEO Engineering reserves the right to refuse unloading it.

Tolling manufacturing agreement:

- The to be coated material supplied by the customer is supposed to be of certified quality before surface treatment at ARCEO Engineering. Subsequently, ARCEO Engineering will handle the supplied material without previous quality inspection and cannot be held responsible for any defect regarding the surface quality of the substrate even if the defects remain apparent after the coating process.
- In no case ARCEO Engineering will coat either a corroded or rusty substrate.
- The combination of substrate material and pretreatment specified on the above "Accepted substrates & Pretreatments" section could affect the corrosion resistance guarantees that could be given by ARCEO Engineering.
- If the customer's substrate has intrinsic defects not communicated to ARCEO Engineering that could damage either the continuity of ARCEO Engineering's production process or even its production tool, ARCEO Engineering will then reserve the right to stop the ongoing production at any moment and charge the repair costs to the customer if they are damaged.

Packaging:

Various types of packaging are available upon request. For more details about our packaging offer and for any enquiry regarding deliveries, please contact **the delivery office** on the contact details provided above.

For more details about ARCEO Engineering, please visit our website: www.arceo-eng.com

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