

PRODUCT SPECIFICATION SHEET:

Product Brand Name:

C-BRITE 15

Product Description:

15 µm single-sided continuously clear anodized brightened aluminumⁱ

Anodized surface properties : front side

- Anodic layer thickness:
 - Measured following Eddy Current method (ISO 2360)
 - Guaranteed value of minimum 15 µm, at any point on the surface
- Sealing of the anodic layer
 - Weight loss test following EN ISO 3210:2010 (method 1)
 - Results < 30 mg/dm²
- Continuity of the anodic layer,
 - Continuity test following EN ISO 2085:2010
 - Results : no points per cm²
- Visual surface appearance:
 - Bright, “damped mirror“ appearance
 - No defects visible at an inspection distance of 3 m
- Color: natural
- Temperature resistance:
 - This product can be safely exposed to temperatures up to 80°C.
 - If this product is intended to come into contact with process temperatures above 80°C, please contact COIL NV/SA for advice.
- Corrosionⁱⁱ & weatheringⁱⁱⁱ resistance: excellent
- Light stability: perfect^{iv}
- Foldability: Limited

Anodized back side for protection:

- Anodic layer thickness: indicative value of 5 to 7 μm (not guaranteed)

Important remark: the back side is **not** intended to be the exposed, visible side.

Aluminum substrate :

- Mechanical properties following DIN EN 485-2
- Dimensional tolerances following DIN EN 485-4
- Alloy: typically EN-AW 1085, but other alloys possible on request
- Temper: typically H18 but other tempers possible on request
- Anodic quality
- Brightened, “mirror” surface.

Warranties:

- Standard Warranty:
 - Warranty period: 10 years
 - Warranted properties:
 - Anodic layer thickness
 - Sealing quality of the anodic layer
- Extended Warranty:

On request it is possible to extend the standard warranty period and/or other properties can be included in the warranty. If such an extended warranty is requested, the project specifications have to be submitted to COIL NV/SA for evaluation. For more information, please contact COIL NV/SA.

Application(s):

This product is intended for use in indoor and outdoor architectural applications.

Availability:

- Coil

Width (mm)	Gauge (mm)
1000-1600	1,0-2,0

Dimensional tolerances following DIN EN 485-4

Protective film possible. Recommended type: rubber based, 70-80 µm , UV resistant

- Sheet

Width (mm)	Length (mm)	Gauge (mm)
1000-1600	350-8000	1,0-2,0

Dimensional and flatness tolerances following DIN EN 485-4

Sheets cut by homologated subcontractors under supervision of COIL NV/SA' Quality Dept.

Protective film possible. Recommended type: rubber based, 70-80 µm , UV resistant

ⁱ Definitions:

- Single-sided anodizing: only the front side is intended to be the exposed, visible side. Only this side is guaranteed.
- Clear anodizing: the anodic layer is transparent, not colored. The observed surface color is that of the matt aluminum substrate. Also known as “natural” anodizing.
- Continuous anodizing: anodizing of aluminum coils in a continuous treatment process.
- Brightened aluminium: the raw aluminum surface has been brightened to give a “mirror” appearance (for ex. during the last cold roll step with an especially grinded mill roll). To preserve the bright, mirror appearance COIL NV/SA will not etch the surface in its pre-treatment to anodizing.

ⁱⁱ Based on accelerated corrosion tests :

- Neutral Salt Spray (ISO 9227), 1000 hrs exposure.
- Kesternich (ISO 6988), 1000 hrs exposure.

ⁱⁱⁱ Based on Tropical Test (ISO 6270-2) , 40°C – 100% humidity , up to 1000 hrs exposure

^{iv} Based on Sun Test CPS+Atlas (ISO 11341), 1000 hrs exposure