# LoopPET Metal **ASLAN CRA 31**

PVC free

## Printable metallic effect film made from recycled polyester (at least 70%)

This self-adhesive metal effect film is made from recycled polyester (at least 70%) that has been shredded and cleaned. It is suitable both as a plottable and printable metal effect film and can be applied to all smooth surfaces. What's more, the superb metal effect on the silver and gold versions is visible on both sides (double-sided), making them ideal for bonding to transparent surfaces such as glass or acrylic. The film, whose glossy surface enables high-quality prints with latex and UV curable inks, is not only PVC free but also has a water-based adhesive.

It is suitable for flat, smooth surfaces indoors and outdoors. If a laminate is required, LoopLAM ASLAN SRL 19 is recommended as it is also made from recycled PET – this will create a PVC free, environmentally-friendly and forward-looking combination of recycled raw materials for digital prints.

For further information or questions regarding special applications please contact our technical advisory service:
**+49 2204 70880**

## Construction

| | | |
|---|---|---|
| **Face film:** | Polyester, metalised (70% content of post-consumer recycled polyester) | |
| **Thickness:** | ~ 50 µm (~ 1.9 mil) | |
| **Adhesive:** | Polyacrylic pressure sensitive adhesive | Square quantity: ~ 35 g/m² |
| **Release liner:** | double-sided PE coated paper | Square weight: ~ 140 g/m² |

## Characteristics

| | | |
|---|---|---|
| **Adhesive strength (ASTM D903):** | Immediately:<br>After 72 hours: | ~ 3.5 N/25 mm<br>~ 15 N/25 mm |
| **Dimensional stability:** | Applied onto aluminium<br>after 48 hours stored at 70° C (158 °F)<br>(25 x 25 cm) | No shrinkage measurable |
| **Temperature:** | Application temperature:<br>Service temperature range: | min. 15 °C (59 °F)<br>-30 °C (-22 °F) up to +80 °C (176 °F) |
| **Durability:** | Up to 2 years outdoors, with vertical exposure, in central-European standard climatic conditions | |

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KOMPETENZ IN SELBSTKLEBEFOLIEN

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## Processing

**Digital cutting:**

The self-adhesive film is ideally suited for cutting. The vertical height of capital letters should not be smaller than 20 mm.

**Printability:**

The material is printable with common latex and UV curable as well as screen printing inks.

**Application:**

The film is to be applied dry.

A wet application reduces static and helps repositioning. Being a PET base film water can't diffuse through the film. Therefore, all water used has to be squeegeed out during application.

For the application of letterings etc. we recommend our ASLAN application tapes or our mounting film ASLAN TMO.

LoopPET Metal ASLAN CRA 31 is exclusively suited for smooth, even, non-elastic and non-curved surfaces. The film must not be applied on outgassing surfaces like nontempered acrylic glass, since bubbles might occur, particularly under short-term exposure to heat.

**Storage life:**

Before application the films can be stored up to 2 years from date of production. The film must be stored at room temperature (15-25 °C / 59-77 °F) and at a relative air humidity of 50-60%. To avoid pressure points appearing on the roll surface, we recommend the rolls be stored either standing vertically or in a purposely designed `hanging´ racks.

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All technical data and advice is based on our experience and measured testing that we believe to be reliable. It remains the customer's responsibility to test the suitability of our products for the intended purpose.

The quality of our products is regularly examined, upgraded and developed. We take the right, without prior notice, to adjust, upgrade and improve the chemical structures or physical characteristics of our products in accordance with our latest knowledge.

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