

LoopPET UltraTack ASLAN DRP 07



More sustainable digital printing film made from PCR PET with a particularly strong adhesion for non-polar and non-absorbent, mineral surfaces

Developed for sustainable, printable and PVC free applications on e.g. low-energy substrates: The 50 µm thick, self-adhesive, gloss white digital printing film LoopPET UltraTack ASLAN DRP 07 consists of at least 30 % recycled polyester. Thanks to the special adhesive recipe, this film is suitable for applying to non-polar and non-absorbent, mineral, flat surfaces whether for indoor or outdoor use. The self-adhesive film can be printed with latex and UV curable inks and is equipped with a highly transparent, solvent-free, high-tack adhesive system.

Furthermore, LoopPet Clear ASLAN DRP 18 matches perfectly with the recycled PET laminate LoopLam ASLAN SRL 19 – a PVC free, environmentally-friendlier and forward-thinking combination of recycled plastics for more sustainable digital printing.

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

Construction

Face film:	Polyester, white gloss (30 % content of post-consumer recycled polyester)	
Thickness:	~ 50 µm (~ 1.97 mil)	
Adhesive:	Polyacrylic pressure sensitive adhesive	Square quantity: ~ 35 g/m ²
Release liner:	Double-sided PE coated paper	Square weight: ~ 140 g/m ²

Characteristics

Adhesive strength (ASTM D903):	Immediately: After 72 hours:	~ 11 N/25 mm ~ 22 N/25 mm
Dimensional stability:	Applied onto aluminium after 48 hours stored at 70° C (25 x 25 cm)	No shrinkage measurable
Chemical resistance:	In a preece test of 24 hours, the applied film is resistant to most petroleum-based oils, greases and aliphatic solvents, mild acids and mild alkalis.	
Light proofness:	DIN 53 388	Non-fade grade: 7-8 (wool-scale)
Temperature:	Application temperature: Service temperature range:	min. 5° C (41° F) -30° C (-22° F) up to +80° C (176° F)
Durability:	Up to 3 years outdoors, with vertical exposure, in central-European standard climatic conditions	

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Processing

Digital cutting:	The self-adhesive film is ideally suited for cut letters. The vertical height of capital letters should not be smaller than 20 mm (0.8").
Printability:	The material is printable with common latex and UV curable as well as screen printing inks.
Application:	<p>The film is to be applied dry or wet. For the application of letterings etc. we recommend our ASLAN application tapes or our mounting film ASLAN TMO. Due to the variety of different substrates, it is highly recommended to perform adhesion tests prior to the application.</p> <p>When installing the film with a flatbed applicator, the film is to be applied dry. In case of a manual installation, we recommend applying the film wet. However, a wet application is only possible to a limited extent, in consideration and compliance of our separate processing instructions for wet applications. Being a PET base film, water can't diffuse through the film. Therefore, all water used has to be squeegeed out with high pressure during application.</p> <p>During the handling of isolating materials electrostatics could not be avoided. Therefore an adequate earthing and a dust free environment are important. Increasing air humidity also helps to reduce the electrostatic charge.</p> <p>LoopPet UltraTack ASLAN DRP 07 is suited for applications on non-polar and non-absorbent, mineral surfaces. Substrates must be smooth, even, non-elastic and non-curved. The film must not be applied on outgassing surfaces like non-tempered acrylic glass, since bubbles might occur, particularly under short-term exposure to heat. We do not recommend applications to non-stick coated substrates, such as the box bodies of trailers made of coated plywood panels. For this application, we recommend the use of self-adhesive film MonsterTack ASLAN DFP 05. In all cases, we recommend a test application, as no guarantee can be given for any form of paint, non-stick coatings etc.</p>
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.

State 11|2024

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.