

For the application of **MonsterTack** ASLAN DFP 05 on plywood surfaces

Thank you for choosing our high-quality film.

MonsterTack ASLAN DFP 05 is a self-adhesive, polymeric softened film with special adhesive technology for applications to the most challenging surfaces.

Basic information on application

If the surface is generally suitable for installation, you should clean it thoroughly beforehand. Make sure that it is free of dust, dirt, grease and cleaning agents and that it is dry.

The film must be applied dry. We recommend using one of our ASLAN application tapes, e.g. **ASLAN TMO**, to apply lettering and plotter cut motifs. If the film is used for plotter cut items, weeding must be carried out immediately after cutting to prevent the adhesive from closing on the cut line.

MonsterTack ASLAN DFP 05 has been developed for applications to the most challenging surfaces. It has a unique adhesive formulation with particularly high adhesive strength for use on the most difficult substrates. These include low-energy and plywood surfaces (e.g. box trailers), petrol pumps, applications with high mechanical stress, e. g. motocross, as well as applications on cold substrates or application temperatures from -10° C.

The polymeric softened digital printing film can be used in combination with polymeric softened laminates, such as **PremiumProtect** ASLAN SL 17, **PremiumProtect** Matt ASLAN SL 18 or **MagicProtect** Matt ASLAN SL 99 for additional protection against graffiti. When applied to non-stick coated substrates such as box bodies of trailers made of plastic-coated plywood panels, correct application is crucial for a good long-term result.

Application to plywood surfaces

MonsterTack ASLAN DFP 05 is the ideal film for a reliable hold on the most challenging surfaces such as non-stick coated substrates of plywood boards.

To ensure that the film adheres securely to the substrate in the long term, please observe the following processing steps:

- To avoid increased material shrinkage, it is recommended not to print 1 cm around the edges.
- On some rough plywood surfaces, the use of a < 50 µm thin cast laminate is recommended in order to apply the sandwich perfectly to the relief structure. When using polymeric softened laminates, no guarantee can be given for the processed sandwich and its suitability for the respective application.
- Before application, the surface and the printed, laminated film must be acclimatised at room temperature for at least 12 hours to avoid excessive temperature differences. Ideally, the film should be taken into the production room 24-48 hours before processing in order to acclimatise to the room temperature up to the innermost layer. If possible, processing should take place at a room temperature of between 15° C and 25° C and a relative humidity of between 45 % and 65 %.



- To prevent water from entering between film and substrate, the sandwich must be applied over the entire surface using a heatgun. To do this, it is essential to apply it into the substrate structure using an application roll and a heatgun at a recommended film's surface temperature of 50° C - 60° C. For easier application, a combined application roll and heatgun can be used. Finally, heat the entire surface using a heatgun and use an application roll. The surface should reach approx. 80° C to break up the molecular structure of the material. This process causes the restoring forces of the material to be lost and it remains in the new mould.
- After application, the edges must be sealed to prevent water from entering between the film and the substrate (capillary effect). A transparent, suitable for outdoor use silicone or polyurethane is recommended for this purpose. The shrinkage of the film of max. 0.4 mm (FINAT TM14) must be taken into account when sealing the edges.
- After application, a standing/resting time of up to 72 hours, but at least 48 hours, must be observed.
- If the bond has nevertheless become detached from the surface due to entered moisture, the adhesive can be worked back into the surface using a heatgun and application roll. As long as the adhesive is not soiled and has dried again, the original adhesive strength is reactivated.

If you have any questions about special applications, please contact our technical advice: +49 2204 70880

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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 therefore reserve 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.

Please contact us

Fon +49 2204 708 80
E-Mail info@aslanfolien.de

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www.aslanfolien.de

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