

## SELF-ADHESIVE MATERIALS: REMOVAL OF GRAPHICS

### Short term/medium term

For short term and medium term (including indoor) decoration, Ritrama films with removable or semi-permanent adhesives are ideally suited. These products can be easily removed at ambient conditions ensuring a smooth and even peel.

### Long term

Permanent adhesive may require heat to remove the graphics.

### Steps for the removal of graphics

1. Heat up the vinyl to about 70-80°C (158-176°F) with a hot-air blower: air temperature approx. 600 °C (1112°F). An infrared thermometer can be used to measure the surface temperature of the vinyl.
2. Just lift a corner point and start to remove the graphics from the substrate. Keep the angle between removed film and substrate between 45° and 80°: angles over 90° may increase the risk that adhesive may stay on the surface.
3. Once all the vinyl film has been removed, use suitable chemical products to remove any adhesive that may have transferred. White spirit or water based citrus cleaners are widely used for this task. Carefully follow the manufactures guidelines for the safe use of these cleaning chemicals. It is generally recommended that such chemicals should be first tested in a non-critical area to determine suitability.

In case of doubt, ask for further information:

<https://www.ritrama.com/en/contacts/#information-request>

#### IMPORTANT

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*Considering the multiple uses of Ritrama's products, the user is recommended to test the products prior to their use, so to determine and ascertain the suitability and performance of the product for its intended application and purpose.*

*The methods of conversion and application of Ritrama's self-adhesive materials are multiple and it is therefore essential that the users are aware of the particular method to be used, prior to commencing the production.*

*Printing: Testing for compatibility between product, printers and inks is always highly recommended before printing the product.*

*Application Systems and Conditions: it is recommended that the performance of the product be always tested in the actual applications conditions as substrate state (rough, smooth, flat or irregular shapes, moderate curves, with or without rivets); applicator technology (hand application or fully automated lines); specific stress on Ritrama material once applied (high and/or low temperature, mechanical stress, exposure to challenging environment conditions), et cetera.*

*As Ritrama's products are used in conditions beyond its control, such as those listed above as example, Ritrama does not assume any liability for inappropriate use of the products.*



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