

www.Mactac.com

Version # 2 (0824)

Approved by N.G.

Product

IMAGin® Roodle® Scored

Product Description

ROS528 is a 5.5-mil **Matte** white, calendared PVC film designed for wide format printing. The product is coated on one side with an aggressive removable acrylic pressure sensitive adhesive and supplied with a 78# bleached kraft lay flat liner that is back scored 2.5" apart running the length of the roll.

ROS528, is designed to help the end user easily remove the liner but can also be used to facilitate the application process. Roodle Scored is engineered for indoor wall posters and murals on flat painted drywall and other smooth surfaces. It can also be used for decals, point of purchase displays and window graphics. It is strongly recommended to test the surface for suitability of adhesion and clean removability.

Physical Properties

Property	Typical Values	Test Method
Peel Adhesion lb./in. 180° on Steel - 24 hr.	2.1 (9.2)	ASTM D-903
Quick Tack, lb./in² (N/25mm) Stainless Steel	2.1 (9.2)	MACtac CTM-25
Dimensional Stability, (%) 48 hours @ 158°F MD CD	0.40 0.20	MACtac CTM-21 (Method D) 10" x 10" Sample Bonded to aluminum
Temperature Ranges Minimum Application: End Use:	50°F (+10°C) -40°F to 180°F (-40°C to 82°C)	

Approved Printing Processes:

Screen Printing:

- UV Cured
- Solvent

Digital: UV Inkjet

- Eco-solvent
- True solvent
- Latex

HP Indigo

- Off-set
- Off-set UV
- Thermal Transfer
- Flexographic *
- Laser
- Jetrion

To achieve the best possible print quality, please make sure that the correct ICC profiles or printer settings are used. Profiles can be downloaded from www.mactac.com. Printer and heater settings and ICC profiles can also be downloaded from some O.E.M. or software manufacturer's websites.

The ICC profiles are provided solely as a customer resource. Print environments, the individual nature of printing systems, inks and software can significantly affect output. It is the customer's responsibility to determine the suitability of any profile for use in their specific print environment.

Durability

The outdoor durability of the unprinted film is 4 years. ROODLE has up to 2 year removability after application. Overlamination of the inkjet-printed material with Permacolor® overlaminates delays color fading that may occur over time. This color fading is mainly dependent upon the inks quality (see technical data sheets given by the ink manufacturers) and the pressure sensitive media being used.

Shelf Life

2 years from D.O.M. when stored at 60/77°F (15/25°C) and 50% relative humidity in the original package.

Limitations

Due to the wide variability of interior walls, sealants and paints, no claims for successful applications to or removal from painted wall surfaces are made by MACTac. It is the users' responsibility to determine the products suitability for the intended wall.

- 1) **The user is responsible for determining the product's suitability, including adhesion and removal characteristics**
- 2) **If there are any questions about applications, please contact your Mactac sales representative to discuss your requirements for recommendations.**
- 3) **If this is a printed Performance Guide it is an uncontrolled document. Please check the Mactac website for the latest, most up-to-date version.**
- 4) **Installation: Wet application method is not recommended for the installation of this product. The use of application fluids could affect the adhesion strength to the substrate because the adhesive is water based and will soften.**

Recommendations

Always test your combination of Roodle products, inks and laminating films prior to commercial use.

- 1) **Printing Conditions:** Print in conditioned pressroom at $\pm 73^{\circ}\text{F}$ (23°C) and 50% RH. The maximum allowable ink saturation is 270%.
- 2) **Drying Requirements:** Solvent, Eco-solvent and Mild-solvent inkjet prints require 24 - 48 hr. drying time - open to the air. Inks do not dry when printed media is rolled up. The prints must be dry prior to lamination.
- 3) **Laminating Conditions:** If the printed graphic is likely to be exposed to corrosive liquids, smoke, fumes, highly polluted areas or there is a likelihood of scratching, it is highly recommended to laminate with **PERMACOLOR ColorGard LUV** series (Intermediate) or **PromoGard** (economy) overlaminating films. Please be aware that adding an overlaminate will significantly reduce conformability to complex surfaces.
- 4) **Transportation Conditions:** To allow for easy transportation, PV500 series can be rolled up, with the image out, with a minimum diameter of 6 inches (15cm). When the image is not protected by an overlaminate, make sure the print is completely dry and protected in a plastic bag. During transportation or storage, avoid exposing them to extreme temperature and humidity changes.

1) **Installation Instructions (Reference TA2500 for detailed drywall applications):**

- a. Before installing, unroll and lay flat. Allow the graphic to relax at room temperature for at least 90 minutes.
 - b. Do not allow the adhesive to touch any other areas of the product as this may result in damage to your ROODLE.
 - c. Do not install your ROODLE onto cold or damp surfaces, or anywhere near heaters, fires or central heating radiators.
 - d. If the wall has been freshly painted, allow it to fully cure, at least 30 days prior to installing your ROODLE. **Consult your paint manufacturer for proper cure times.**
 - e. Mactac recommends a test strip be included in the graphic for the end user to test on their walls. For best results insure the wall has a flat, smooth, even, dry surface. Avoid textured surfaces including textured paints, wallpapers, stucco, scrub-able paints, etc.
 - f. Make sure your ROODLE will fit in the area. Measure your wall and your graphic.
 - g. Use a clean alcohol saturated cloth to remove any dust from your wall surface. You may need a damp cloth or cleaners to remove excessive dirt and dust followed by the alcohol wipe. If so, allow an additional 24 hours to dry as many surfaces absorb moisture like a sponge!
 - h. Spread out your ROODLE on a flat surface, face down. Find the score at the top of the graphic and bend the image to break it. Remove the liner off the top of the image above the broken score. Position the graphic on the wall. Once it is in place, lightly tack down the exposed adhesive. Using a squeegee, smooth down the rest of the exposed adhesive working top down and from the center out. Remove the 2.5" of additional liner to the next score but do not tear the line. Apply the exposed adhesive to the wall, again working from the top down and from the center out.
 - i. Continue in this manner until the entire graphic has been applied.
 - j. If the liner hangs down too far below the graphic, it can be removed at one of the scores.
 - k. For wall murals plan the graphic with a 1inch overlap.
 - l. Finish, by re-squeegeeing all the outer edges and overlapping seams to insure good contact with the wall surface
- *Values given are typical and are not necessarily for use in specification.*

CALL 1-800-321-8834 for additional product information

IMPORTANT NOTICE: The information given and the recommendations made herein are based on our research and are believed to be accurate, but no guarantee of their accuracy or completeness is made. In every case, user shall determine before using any product in full scale production, or in any way, whether such product is suitable for user's intended use for their particular purpose under their own operating conditions. User assumes all risk and liability whatsoever in connection with their use of any product. The products discussed herein are sold without any warranty as to merchantability or fitness for a particular purpose, or any other warranty, express or implied. No representative of ours has any authority to waive or change the foregoing provisions, and no statement or recommendation not contained herein shall have any force of effect unless in an agreement signed by the officers of seller and manufacturer. Nothing contained herein shall be construed to imply the nonexistence of any relevant patents or to constitute a permission, inducement or recommendation to practice any invention covered by any patent without authority from the owner of the patent. The following is made in lieu of all warranties, express or implied: Seller's and manufacturer's only obligation shall be to replace or credit such quantity of the product proved to be defective at its discretion.

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