

Matte Luxe™ 3D Laminates

Product Information Sheet

OMNOVA

A Division of SURTECO



Add a Sense of Luxury, Beauty and Style to Any Interior Space

Matte Luxe 3D Laminates offer a super matte, soft touch finish that is highly durable and resistant to fingerprints.

Well-suited for vertical surfaces such as cabinetry and drawer fronts,

Matte Luxe 3D Laminates should be considered a high-performance and cost-effective alternative to paint.

Benefits

- 10x better abrasion resistance and 2x better scratch resistance than paint
- Significantly better at resisting cracks, dings and dents than paint
- In most cases, no protective masking is required when using 3D Laminates like **Matte Luxe**, but this should be verified by user
- Stock products are available for immediate shipment

Care & Cleaning

Easy clean-up. Acceptable household name brand cleaners include Windex® Original Glass Cleaner (S.C. Johnson), Fantastik® (S.C. Johnson) and Simple Green® (Sunshine Makers). Persistent stains can be removed using a cleaner such as Clorox® Clean-Up®. In lab settings, stains exposed to Clorox® Clean-Up® for 5 minutes were successfully wiped clean with a paper towel. Avoid abrasive cleaning agents, such as scouring pads, Comet® Cleanser, Bar Keepers Friend® or cleaners containing baking soda.

Additionally, avoid using the following when cleaning as they can soften and remove a laminate's coating:

- Ketones (methyl ethyl ketone (MEK), acetone)
- Chlorinated Hydrocarbons (methylene chloride)
- Aromatic Hydrocarbons (toluene, xylene)
- Lacquer thinners

KCMA Chemical Resistance

- **Matte Luxe** laminates have been tested by a KCMA-accredited independent laboratory in accordance with the ANSI/KCMA A161.1-2012 (9.4 Chemical Resistance) standard. Test reports available upon request.
- Most colors showed no staining, although some very light shades may be susceptible to slight staining. Any remaining stains can be treated through the use of cleaners such as Clorox® Clean-Up® (see Care and Cleaning Instructions).

Stock Product Information

Usable Film Width*	53" (+/- 0.5")
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Film Thickness	12 mil
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Roll Lengths	50 and 250 linear yards
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**Custom widths available*

Properties Comparison

Test Method	Matte Luxe	Paint
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Hoffman Scratch	1300 g	900 g
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NEMA Wear (final)	2000 cycles	150 cycles
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NEMA Ball Impact	3000 mm	300 mm
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Erichsen Scratch	8.0 N	4.0 N
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Fabrication Recommendations

Board preparation is essential to achieve the best look and feel. A well-sanded, smooth surface that is free from defects, bumps and divots minimizes the potential for telegraphing. OMNOVA recommends using a double-refined or ultra-refined MDF board for best results. The use of polycrystalline diamond (PCD) tipped tooling may yield better consistency, throughput and overall economics. The tooling manufacturer can provide the optimal RPM range to use for a given tool, essential to achieve the desired cut quality.

A uniform coating of adhesive is important to prevent glue unevenness or telegraphing. Proper mixing is required if using a two-part adhesive system. Prior to applying adhesive, the board should be blown clean to ensure no dust or contaminants are sealed in by the adhesive. For edges and routed areas, OMNOVA recommends two or more coats. For specific details on mixing or spraying (fan, nozzle, pressure or atomization) conditions, contact the adhesive supplier.

Matte Luxe 3D Laminates have been successfully pressed using standard membrane press operating conditions. OMNOVA recommends using 100% silicone membranes when membrane pressing **Matte Luxe** 3D Laminates. In lab settings, some natural rubber membranes have been shown to discolor **Matte Luxe** 3D Laminates and should therefore be avoided. If you have questions on membrane selection, OMNOVA can test membrane compatibility.

Each customer should complete its own independent trials to determine the optimum processing conditions to meet its needs. As with all membrane pressed parts, it is imperative to have a clean, dust- and dirt-free environment. It is also important to achieve the required activation temperature of the adhesive at the very bottom edge of the part.

Storage & Handling

OMNOVA 3D Laminates are susceptible to heat and pressure. Extreme temperature and pressures can affect the product characteristics and performance. Due to shipping and storage variations, shelf life cannot be guaranteed. However, the following storage guidelines help to ensure optimal performance:

- Keep the product in its original packaging, partial rolls included.
- Storage conditions should maintain a temperature range of 55 to 75 °F and a relative humidity of approximately 50%.
 - Product should be acclimated 48 hours prior to processing.
 - Extreme cold may cause brittleness and extreme heat may soften the film and cause shrinkage.
 - High humidity can cause moisture which can weaken the bond and possibly cause blocking within the roll.

Though OMNOVA Laminates can be used in many applications, all laminates are sold with the understanding that customers will make their own independent determination whether a particular laminate has the durability and other performance attributes required for the specific end use laminate application – not all laminates are suited for all applications.

For the latest designs, more information or to place an order, contact OMNOVA Solutions:
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