

3D Laminates by OMNOVA Solutions

Pre-Applied Adhesive Service Program

OMNOVA offers the optional service of a pre-applied adhesive backing for all of its 3D Laminates. Our Pre-Applied Adhesive Service Program takes the mess, aggravation, waste, and worry out of your adhesive operation – by completely eliminating the need for it – while it saves you time, frees space, reduces operational complexity, and increases the quality of your finished goods.

EASIER, FASTER, MORE UNIFORM PRODUCTION

Our heat-activated, pre-applied adhesive layer is more uniform and consistent than spray applications.

- When the application permits, a thinner gauge film may be used, which translates to less cost.
- The increased uniformity of our adhesive layer can mean better adhesion with less thinning around dimensional areas. Variable hot and cold spots caused by the irregularity of spray patterns are virtually eliminated.

MORE VALUE-BASED BENEFITS

NO MORE WASTE

Eliminate the space, labor, waste, and overall cost of a spray booth. Free up floor space for more profitable operations.

NO MORE MESS

Eliminate the mess and clean-up of a spray booth.

LONG SHELF LIFE

Our pre-applied adhesive has an extended shelf life that can be measured in months – unlike the pot life of spray adhesives of a few hours. With a pre-applied adhesive layer, our 3D Laminates can be used right off the shelf – no need to constantly mix adhesives or dispose of unused amounts.

CLEANER COMPONENTS

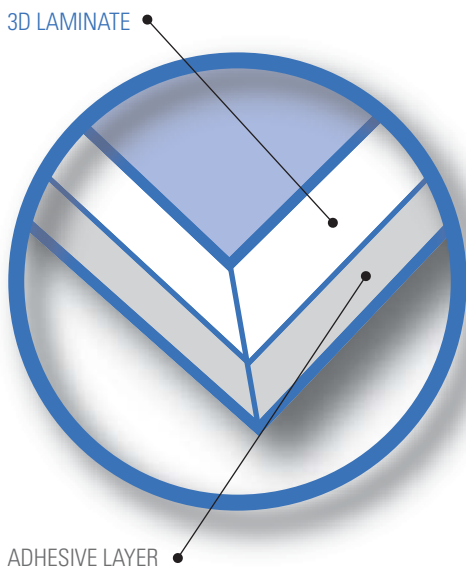
There's less post-forming clean-up with pre-applied adhesive. Formed parts do not require post-surface buffing to remove adhesive overspray, while fiber pop is virtually eliminated.

LESS HEALTH RISK

Eliminate many of the environmental and health risks associated with spraying.

BETTER SURFACE APPEARANCE

Our 3D Laminates with pre-applied adhesive can mask or bridge minor defects in the substrate, including board inconsistencies and rough sanding.



Pre-Applied Adhesive Service Program

ADHESIVE SETTINGS

The adhesive activates or bonds when the press glue line reaches 160° to 170° F.

The press pre-heat cycle time should be increased approximately 25% to 30% from sprayed cycle times.

Press operators should use temperature tapes to check temperature on the edge of the part to ensure they are achieving 160° F at the glue line.

ADHESIVE WIDTH

The adhesive layer is applied in a standard 48" or 52" width depending on the production width of the laminate. Variable adhesive layer widths up to 54.5" are also available on a custom basis.

MINIMUMS

The Pre-Applied Adhesive Service Program is available on all 3D Laminate and **surf(x)**® 3D Laminate orders of 250 linear yards or more.

3D LAMINATES by OMNOVA Solutions

COLOR AND DESIGN

Our 3D Laminates are available in a multitude of solids, granites, marbles, woodgrains and abstract prints. Custom color and design are available upon request.

When tested using a color spectrophotometer, our solid color 3D Laminates matches the laminate color against computer-stored color standards.

Our printed 3D Laminates are visually matched against a full width print repeat of the print standard. Samples of current print standards for stock colors are available upon request.

ABRASION/SCRATCH RESISTANCE

A unique abrasion resistant top coat provides our 3D Laminates with a high level of scratch resistance and an additional degree of surface protection and durability as evidenced by Hoffman Scratch test results.

STAIN RESISTANCE

In NEMA Stain Resistance tests, staining agents – including vegetable cooking oil, coffee and ketchup – were applied to our 3D Laminates. Most of the staining agents were easily removed with water and had no damaging effects.

SURF(X): DURABILITY BY DESIGN

For additional durability, OMNOVA offers **surf(x)** 3D Laminates. They feature a highly-engineered, crosslinked polymer coating that provides a greater level of stain, impact, abrasion, and scratch resistance than standard thermofoils. **surf(x)** 3D



Laminates are your choice for extreme applications.

See our product specification sheets for additional information.

Though our laminates can be used in many applications, it is important for customers to select a laminate with durability and other performance attributes that match the requirements of the specific end-use application – not all laminates are suitable for all applications. Laminates used on exposed or horizontal surfaces of a product, for example, often require more durability than interior vertical surfaces. Customers should consider the OMNOVA Laminates Technical Specifications, processing requirements, the specific end-use environment and other application-specific factors when selecting appropriate laminates.

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

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