



A strong alliance for your laminated
3D shapes with waterborne PU dispersions.

Dispercoll® U



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If you're looking for unique lamination performance for 3D-shaped furniture, waterborne polyurethane adhesives are the popular choice. Our Dispercoll® U range delivers the basis for a fast build-up of bond strength and a high degree of heat resistance.

Waterborne polyurethane adhesives are the dominant technology for high heat-resistant 3D lamination, allowing for highly automated production processes. In fact, polyurethane dispersions (PUDs) have enabled 3D lamination technology to be industrialized – thanks to significant contributions from Covestro's technological leadership in PU dispersions for adhesives – in the past as well as today. Our low VOC waterborne PUDs are an excellent choice when it comes to ecological and economical efficiency. Thermo-activated bonding processes with decorative lamination foils provide for a fast build-up of bond strength, which means they are perfectly suited to 3D structures.

Our broad PUD and crosslinker portfolio allows the specific properties to be adjusted and fine-tuned to your target applications. As a result, we can always find a tailor-made solution for you:

- Products for high and low bonding temperatures to reach optimum performance in various 3D lamination processes with different lamination foils for 1K or 2K applications
- Latent reactive technology allowing the formulation of 1K formulation with similar properties like 2K formulations; precoating with adhesive as well as free adhesive films possible.
- Higher level of durability, for example for products that need to endure high humidity conditions

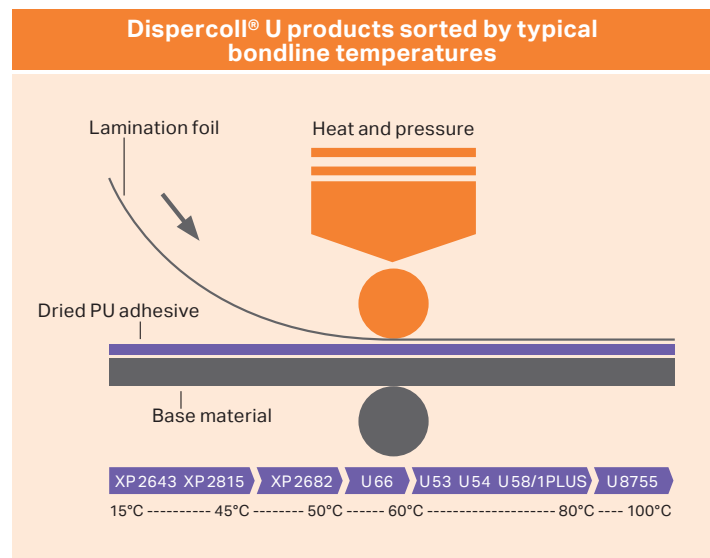
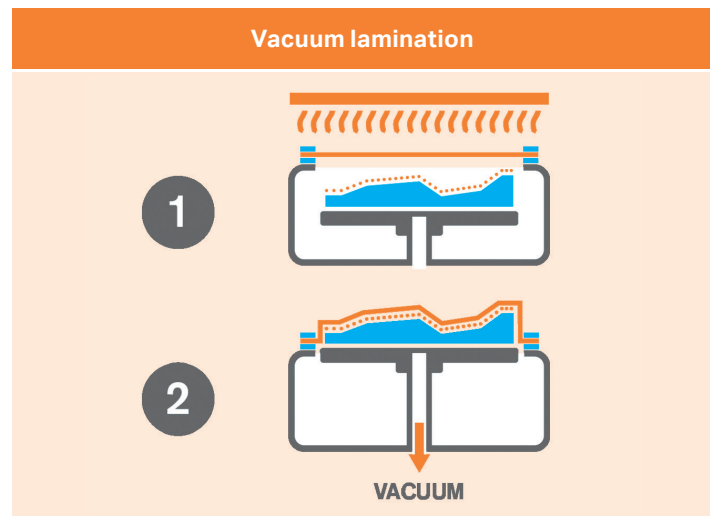
Why not take a closer look at the opportunities our waterborne polyurethane dispersions portfolio opens up for you and your customers!

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¹) Please see the "Guidance on Use of Covestro Products in a Medical Application" document.]
Edition: 2020 · Printed in Germany