



Dispercoll® U

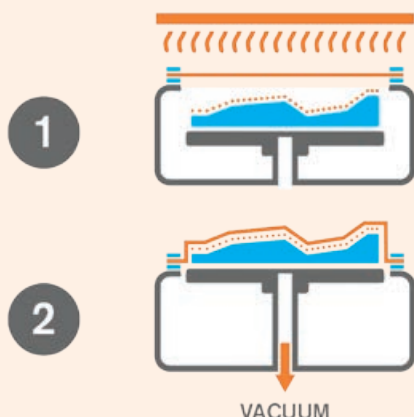
A strong alliance for your laminated
3D-shapes with waterborne PU dispersions



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Vacuum lamination

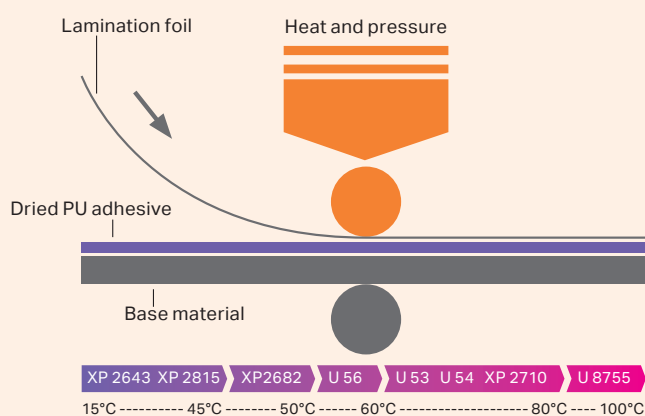


If you're looking for unique lamination performance for 3D-shaped furniture, waterborne polyurethane adhesives are the best answer. Our Dispercoll® U range delivers the basis for a fast build-up of bond strength and a high degree of heat resistance.

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 – significantly driven by Covestro's technological leadership in PU dispersions for adhesives – in the past as well as today.

Our low-VOC waterborne PUDs are not just eco-friendly but also economically efficient. Thermoactivated bonding processes with decorative lamination foils provide for a fast build-up of bond strength, which means they are perfectly suited to 3D structures.

Dispercoll® U products sorted by typical bondline temperatures



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 the best 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
- 1K latent reactive technology: 1K with the properties of 2K; precoating with adhesive as well as free adhesive films possible
- High level of durability, e.g., products for more humid conditions of higher humidity

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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