



Discovery® SP-7100

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Fast-drying UV-curable dispersion  
for industrial wood finishes



## Speed up your curing line with our fast-drying, partially bio-based, UV-curable dispersion for industrial wood finishes

Waterborne UV-curable resins are quickly gaining momentum in the industrial furniture market. Not only do these solutions enable the replacement of solvent-borne systems as regulations on volatile organic compound (VOC) emissions tighten, but they also help to reduce energy consumption thanks to their fast-curing properties. In both cases, this results in more sustainable operations for furniture manufacturers.

**Decovery® SP-7100**, a partially bio-based UV-curable dispersion, provides a fast-drying solution with low VOC emissions and enables high-quality coatings in both clear and pigmented systems after UV radiation cure. Since it already has a high hardness before UV cure, furniture manufacturers can handle the coated panels before curing without leaving scratch marks or dust particles on the final film. In addition, with **Decovery® SP-7100**, good film properties can be achieved even when coating with difficult colors or curing with a low UV dose.

**Combining fast drying times, high-quality film, and low VOC emissions, our waterborne dispersion is the ideal replacement for solvent-borne systems.**

### How you benefit from Decovery® SP-7100:

- Increased process efficiency: faster processing, up to 50% reduction in drying time (water release step)
- Partially bio-based: 27% renewable carbon content\*
- Higher flexibility and convenience: can be used with low curing energies
- Tack free before cure
- Good chemical and blocking resistance
- No hazard pictogram in product labeling
- Low VOC emissions
- Hydrolytically stable for a longer shelf life
- Excellent versatility: suitable for clear and pigmented coatings, primers, and topcoats for UV cure and dual cure

With coatings based on **Decovery® SP-7100**, manufacturers can speed up the production of UV-cured furniture without sacrificing the high-quality finish the market is looking for – and unlock greater productivity with a lower carbon footprint.

\* Confirmed by 14C measurement according to ASTM-D6866 standard.



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<sup>1</sup>Please see the "Guidance on Use of Covestro Products in a Medical Application" document.

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