

**PRESENTATION ABSTRACT****Presentation topic: Coatings with immediate release for the moisture protection****Speaker:**Dr. Florian Wildschek  
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A large number of active ingredients is sensitive to ambient moisture. It is of general interest for the pharmaceutical industry to improve drug stability and thereby extending shelf life.

Applying a moisture protective coating is an appropriate measure to prevent solid dosage forms from taking up humidity.

Instead of using impermeable and expensive packaging materials it appears advisable to test moisture protective instant release film coatings.

Kollocoat Protect® is a mixture of the film-forming agents Kollocoat IR (polyvinyl alcohol - polyethylene glycol graft copolymer) and polyvinyl alcohol and forms highly flexible films, which are very suitable for moisture protection. To even enhance the barrier function against water vapour, a high pigment content is recommended. Due to its good film-forming properties, Koll coat Protect can even be sprayed at pigment levels of up to 75% without the need of additional plasticizers.

Thanks to its low viscosity, the dispersion can have up 20% solid content, yet still be easy to spray.

This presentation will focus on the results of a case study on how to optimize the moisture-protective effect of Kollocoat Protect-based formulations.