



## WATER-BASED ADHESIVES FOR FLEXIBLE PACKAGING FILMS

MOWICOLL® FP 80  
MOWICOLL® PS 7581



# MOWICOLL® FP 80 MOWICOLL® PS 7581

## High-clarity films, strong adhesion and easy handling.

Mowicoll® FP 80 and Mowicoll® PS 7581 are ready-to-use, one-component waterborne acrylic adhesives – especially designed to be applied with continuous, dry film-laminating machinery for flexible film laminates.

Thanks to the high transparency of the film and its high UV-stability, this specialized water-based acrylic solution is the preferred choice when it comes to branded food packaging for chocolates, potato chips, instant noodles, sweets, cookies and more. The dispersion film exhibits excellent adhesion behavior towards various plastic sheets including CPP and metalized films. Both products are also recommended for use in non-food applications.

For optimum performance the recommended coating weight is 2.0 – 2.5 g/m<sup>2</sup> as dry (or 5.0 – 5.9 g/m<sup>2</sup> as wet), applied by a (screen) roller coater.

### Key features and advantages

- Formation of colourless, transparent films with good aging and UV-stability
- Strong adhesion to film and print > resistant to bending
- Good cohesion to the laminate > resistant to heat
- Easy to handle thanks to one-component-system
- Good spreading on plastic films (e.g. BOPP) without wetting defects
- Fast drying at temperature 65-75 °C
- Excellent green bond / full cure bonds

### Adhesion Strength:

- OPP / VMCPP : approx. 0.1 N / 15mm
- PET / VMCPP : approx. 0.1 N / 15mm
- OPP / VMOPP : approx. 0.1 N / 15mm
- OPP / CPP : approx. 0.1 N / 15mm

## Compared to solvent-based solutions, our water-based solutions offer various advantages:

WATER-BASED ADHESIVE	SOLVENT-BASED ADHESIVE
Higher coating solid content	Lower coating solid content
Ready to cut. No curing.	Need 8 – 24 hours of curing
One-component, ready to use.	Two component, needs to be mixed with hardener
Remaining adhesive can be-used	Limited pot life
No solvent / no solvent retention problems	Need for hydrocarbon solvent to dilute / solvent retention problems
Stable viscosity without control	Need for viscosity controller
Low odour / smell	Strong smell (need good exhaust)

[www.cas.archroma.com](http://www.cas.archroma.com)

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