

weko

INTERESTED?

NEW

Our team will be happy to support and advise you!

Practical application tests at the WEKO pilot line

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Application tests

We work with you at our test facility in Biel to see how the WEKO Rotor Application System can enhance your product under practical conditions.

This test can reliably help to verify whether you can achieve the results you expect under production conditions with the WEKO Rotor Application System.

At the heart of the pilot line is the WEKO Rotor Application System for applying water-based chemicals.



Technical data on the pilot line:

- WEKO Rotor Application System for single-sided or double-sided application of liquids
- Web speed 1 to 60 m/min
- Web tension 30 to 300 N
- Width of material web 500 mm (800 mm)
- External roll diameter max. 500 mm
- Roll weight max. 50 kg
- Internal core diameter 76 mm (3")
- For films: Thickness 0.06 - 1.0 mm

For a practical test we require:

- Min. 25 Litre customer specific application liquid (ready mixed) with safety data sheet, processing and disposal instructions
- Min. 100 m customer material on rolls (film, textiles....)

Additional pilot line equipment that may be used:

- **Hot air dryer** 1 and 2 up to 300° C each
- **Corona treatment** of plastic films
- **Smoothing roll** for creating an even film of liquid on plastic film

Possible uses

- Covering with a film of silicon, anti-static or anti-fog products.
- Equipping technical textiles with flame-retardant, water, dirt repellents or nanotechnology.
- Functionalising non-woven fabrics with softeners or hydrophilisation.
- Finishing toilet paper and kitchen rolls with fragrances, hydrophilisation or softeners.
- Equipping clothing materials with softeners, antibacterial agents.
- And much more...



dirt repellent and flame retardant



water repellent



antiblock / silicon



antistatic

Spray solution tests

We use a standardised test to see whether the application liquid can be used with the WEKO Rotor Application System.

Test features:

- Viscosity max. 180 mPa•s / 20° C
- Redispersibility
- Shear stability
- Low foam formation
- Electric conductivity

If all WEKO test criteria are satisfied, the product can be included in our reference list on request. We provide this list to potential customers and our process consultants for a point of reference.

