

The background of the entire page is a high-angle, close-up photograph of numerous stacks of paper. The stacks are arranged in a way that creates a sense of depth and movement, with the edges of the paper sheets curving and overlapping. The lighting is soft, highlighting the texture of the paper and the shadows between the layers. A solid teal horizontal bar is positioned across the middle of the image, containing the text.

COATINGS FOR PAPER

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(bio)ORMOCER®

can be used as a dispersion coating material for paper based substrates to establish paper for packaging of food and technical products, but also for agricultural applications such as mulch paper. With (bio)ORMOCER® paper can be equipped with additional properties.

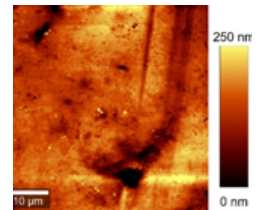
PROPERTIES

- Use as barrier coating with excellent OTR
- Use as base coating, e.g. to reduce surface roughness (Fig.) for subsequent coatings
- In combination with SiO_x also excellent WVTR
- Improved stability against water, moisture

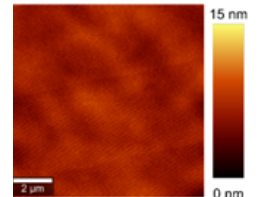
NEW CONCEPTS & APPLICATIONS

- (bio)ORMOCER® as a binder for cellulose and others
- Creation of new paper-like materials

SAMPLE	OTR ± s / 23°C, 50% RH g/m ² d	WVCTR ± s / 23°C 50% RH cm ³ /m ² dbar
base paper	N/A value too high	428 ± 26
paper + SiO _x	—	300 ± 25
paper + (bio) ORMOCER®	365 ± 1	155 ± 13
paper + (bio) ORMOCER® + SiO _x	0.91 ± 0.37	1.81 ± 0.17



ORMOCER®



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