

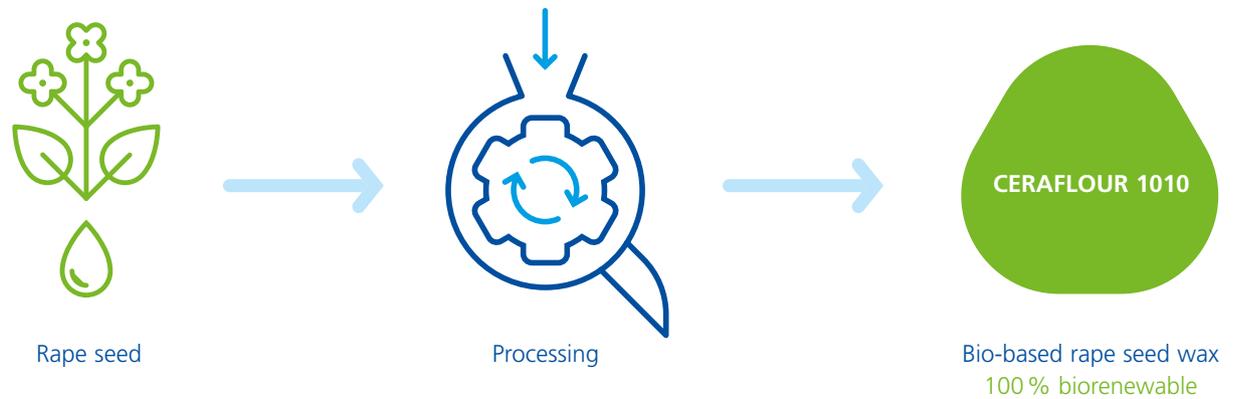
## CERAFLOUR 1010

### BYK's new sustainable, biorenewable, rape seed based wax additive for high matting and mechanical resistance

For BYK, sustainability is an important criterion in the development of new additives. In addition to the product's direct properties and effects, questions regarding environmental impact, chemical basis and energy consumption always play a significant role, too.

CERAFLOUR 1010 gives an excellent matting effect and provides high mechanical resistance. This makes it ideally suited for modern wood coatings system, like natural look formulations.

#### The CERAFLOUR 1000 series is based on renewable carbon



#### Properties of the wax

### CERAFLOUR 1010

#### Rape seed wax

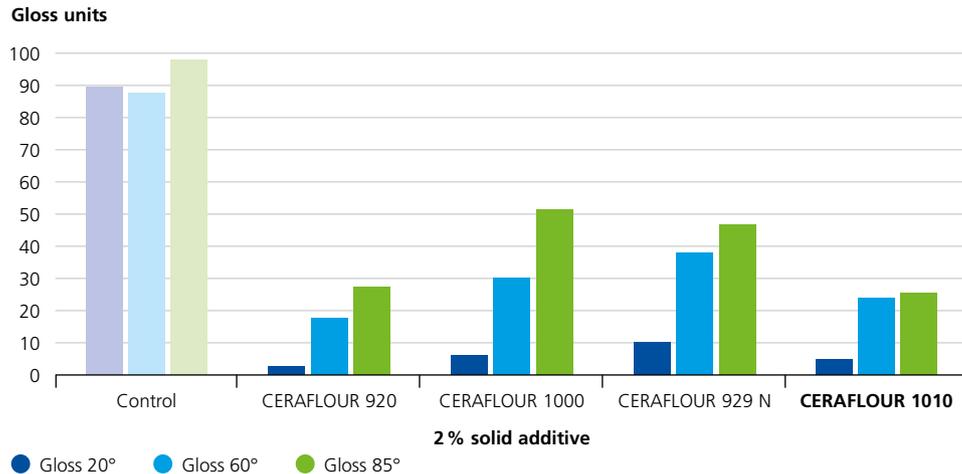
- Particularly suitable for radiation curable systems
- Excellent matting efficiency
- Very good scratch and abrasion resistance

- **100 % renewable resources**

- Particle size distribution  
D50: 6 µm, D90: 16 µm
- Melting point: 70 °C



## Higher matting effect with CERAFLOUR 1010 due to rougher surface

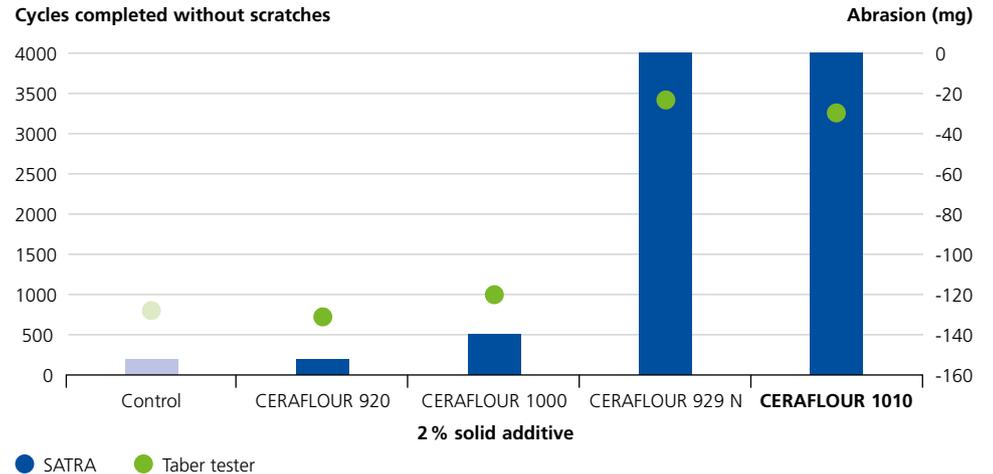


**Test system:** Water-based acrylic system based on Alberdingk AC 2714

**Incorporation:** Addition of additive under stirring, 5 min at 4 m/s; **Application:** 150 µm on contrast card

**Measurement:** Gloss measurement with µ-tri gloss (BYK-Gardner)

## Good mechanical resistance

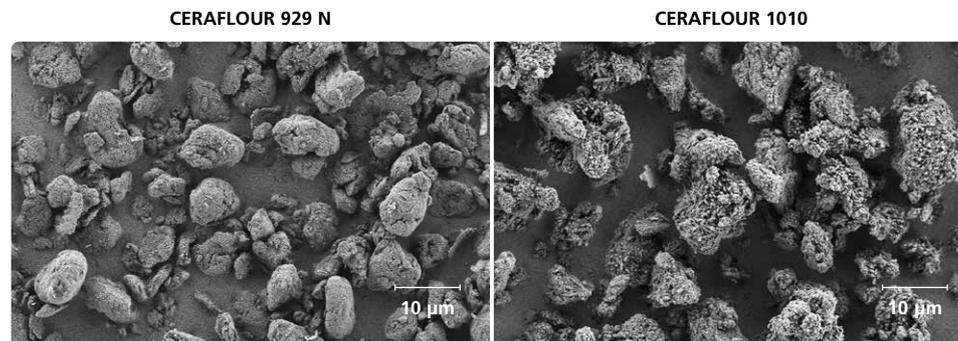


**Test system:** Water-based acrylic system based on Alberdingk AC 2714

**Incorporation:** Addition of additive under stirring, 5 min at 4 m/s; **Application:** 150 µm on contrast card and Leneta Foil

**Measurement:** Scratch resistance with SATRA Auto Rub Tester, Abrasion with Taber Tester

## Comparison of particle and surface structure



## Settling behaviour in water-based clear coat



**Test system:** Water-based acrylic system based on Alberdingk AC 3630

**Storage:** 40 g of the sample was filled into a glass bottle and was stored for 4 weeks at room temperature.

Pictures were taken after storage.

**BYK-Chemie GmbH**  
Abelstraße 45  
46483 Wesel  
Germany  
Tel +49 281 670-0  
Fax +49 281 65735

[info@byk.com](mailto:info@byk.com)  
[www.byk.com](http://www.byk.com)

ADD-MAX®, ADD-VANCE®, ANTI-TERRA®, AQUACER®, AQUAMAT®, AQUATIX®, BENTOLITE®, BYK®, BYK-AQUAGEL®, BYK-DYNWET®, BYK-MAX®, BYK-SILCLEAN®, BYKANOL®, BYKCARE®, BYKETOL®, BYKJET®, BYKOZBLOCK®, BYKONITE®, BYKOPLAST®, BYKUMEN®, CARBOBYK®, CERACOL®, CERAFLOK®, CERAFLOUR®, CERAMAT®, CERATIX®, CLAYTONE®, CLOISITE®, DISPERBYK®, DISPERPLAST®, FULACOLOR®, FULCAT®, GARAMITE®, GELWHITE®, HORDAMER®, LACTIMON®, LAPONITE®, MINERPOL®, NANOBYK®, OPTIBENT®, OPTIFLO®, OPTIGEL®, POLYAD®, PRIEX®, PURABYK®, PURE THIX®, RECYCLOBLEND®, RECYCLOBYK®, RECYCLOSSORB®, RECYCLOSTAB®, RHEOBYK®, RHEOCIN®, RHEOTIX®, SCONA®, SILBYK®, TIXOGEL® and VISCOBYK® are registered trademarks of the BYK group.

The information herein is based on our present knowledge and experience. The information merely describes the properties of our products but no guarantee of properties in the legal sense shall be implied. We recommend testing our products as to their suitability for your envisaged purpose prior to use. No warranties of any kind, either express or implied, including warranties of merchantability or fitness for a particular purpose, are made regarding any products mentioned herein and data or information set forth, or that such products, data or information may be used without infringing intellectual property rights of third parties. We reserve the right to make any changes according to technological progress or further developments.

This issue replaces all previous versions.

