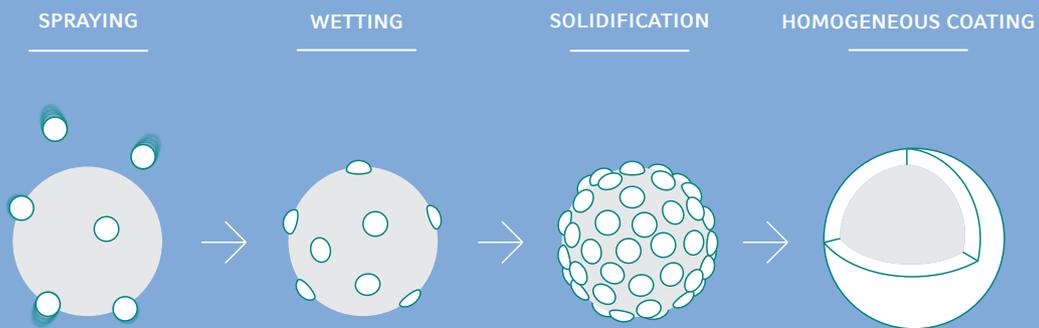


3 in 1 - coating,  
waxing and  
polishing  
with only one  
excipient premix?  
Why not!

Easy-to-use application for hot  
melt coating of particles,  
polishing of sugar-coated tablets  
and anti-sticking of soft capsules.

# Excipient for hot melt coating

Hot melt coating (HMC) offers many advantages compared to conventional solvent-based coating technologies. HMC avoids drying times and makes potentially toxic and expensive organic solvents such as ethanol and isopropanol superfluous. The faster process results in higher batch throughput, leads to higher production volumes and increases productivity. HMC is also an effective method to mask the often bitter taste of active ingredients and produce products with a pleasant mouth feel.



Our ready-to-use excipient premix BonuWax® for hot melt coating is a water and solvent free application and provides good moisture sealing, taste masking and stability for granules and particles. BonuWax®, consisting of carnauba and/or beeswax plus two additional lipids, has a suitable melting temperature and is easy to apply on particles and granules by a fluid bed coating process. BonuWax® can be sprayed with a 100% solid content which leads to a high productivity.

## Polishing agent for sugar-coated tablets

If a shiny surface is requested for sugar-coated tablets, BonuWax® as a mixture of bee wax and carnauba wax can be used to achieve an excellent glossy finishing. Under the principle of friction, a brilliant gloss/shine will be realized, which leads to an aesthetic valorization for sugar-coated tablets.

- The application amount of BonuWax® varies between 0,03–0,15% per batch – depending on the construction type and size of the coater.
- The polishing process needs 10–25 minutes, depending on the construction type and size of the coater.
- Before using BonuWax® for polishing, the sugar-coated tablets should be dry, but not dusty.
- During the polishing process the supply air shouldn't be active. If the sugar-coated tablets begin to “slide”, supply air should be switched on. Sugar-coated tablets can be packed directly after the polishing process.

## Anti-sticking agent for soft gelatine capsules

BonuWax® is formulated with different natural waxes and is highly stable to provide excellent transparency, anti-sticking properties (effective separation) and enhanced mechanical stability/flowability during processing and packaging. Waxed capsules also have higher resistance to external influences like humidity and temperature and are easier to swallow.

Conventional soft capsules tend to get moisturized and become softer because of their hygroscopic nature when stored in high temperature and high humidity environment.

As a consequence, adhesive property of surface of the soft capsules may be increased and sliding property of the soft capsules may be decreased, making packing and filling operations difficult, or the soft capsules may stick to each other or to the inner surface of the storage containers, and taking out of required amount of soft capsules may become difficult or the capsule membrane/ protective coating may be destroyed at the time of ingestion.

Therefore, an anti-sticking agent which can offer excellent anti-sticking effect for soft capsules without impairing various properties such as water activity, disintegration property and safety even when the soft capsules are stored in high temperature and high humidity environment, is important.

BonuWax® is easy-to-use in the drying tunnel by moistening the tissues and also in a conventional coating or polishing pan by manual pouring and polishing application.

## General Information on BIOGRUND

Since 1999, **BIOGRUND** has been developing and producing special powder preparations for film coating, sugar-coating, colouring and tableting, which are used in pharmaceutical products, food and nutritional supplements and cosmetics all over the world. These one-step products minimize and simplify working times for all applications. BIOGRUND is EXCiPACT™ certified and international standards for quality and environmental management (ISO 9001 & 14001) are implemented as well as a HACCP.

### Contact us

**BIOGRUND GmbH**  
Neukirchner Str. 5  
65510 Huenstetten  
Germany

T +49 (0) 6126-952 63-0  
F +49 (0) 6126-952 63-33

**BIOGRUND US, Inc.**  
23465 Rock Haven Way  
Unit 125  
Sterling, VA 20166  
USA

T +1 (703) 665-2147  
F +1 (703) 665-2148

**BIOGRUND International AG**  
Beim Bahnhof 5  
6312 Steinhausen  
Switzerland

T +41 (0) 41-747 14-50  
F +41 (0) 41-747 14-55

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