

## BARRIER COATINGS

To protect products, it is often necessary to apply barrier coatings. This is especially true for food, pharmaceuticals and electronics. Such a barrier, e.g. against oxygen can be achieved with hybrid coatings. Even if product protection comes first, modern packaging must be recyclable, e.g. using a monomaterial or biodegradable. To realize that ORMOCER®-coatings can

provide good barrier properties against oxygen, watervapor or fragrances. To achieve even better barriers, a combination with e.g. SiO<sub>2</sub> or AlO<sub>2</sub> is possible.

## WORKING PRINCIPLE

ORMOCER® as wet hybrid coatings, are characterized by a dense, organic and inorganic network, obtained by standard application methods and

thermal curing, as well as good adhesion to all kind of materials (polymers, paper...).

## TYPICAL APPLICATIONS

- Packaging of all kinds (e.g. for food and cosmetics)
- Technical encapsulation (e.g. for OPV modules)
- Barriere against plasticizers
- bioORMOCER® for applications requiring biodegradability









