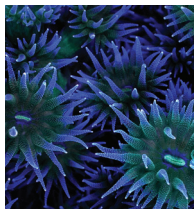
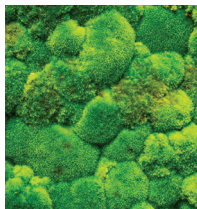
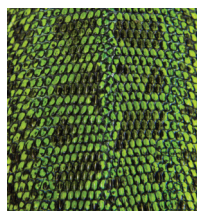


# OC-BioBinder™

Binder solution for nonwoven and textiles

- Biobased and renewable
- Enables fossil-free products
- Adaptable to different materials
- Improves mechanical properties



## Biobased and renewable content

OC-BioBinder™ is a binder solution for nonwoven and textiles that is made from biobased, renewable and biodegradable compounds such as modified carbohydrates, proteins and organic acids.

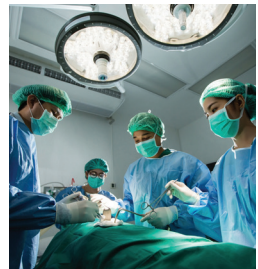
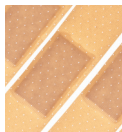
### Fossil-free products

As OC-BioBinder™ is made from biobased compounds, it enables manufacturing of fully fossil-free materials and products if used together with biobased fibers such as cellulose or PLA.

### Adaptable to different materials

OC-BioBinder™ is a versatile binder solution that can be adapted to various fiber materials like nonwoven, paper, textile, composite, etc., in areas such as:

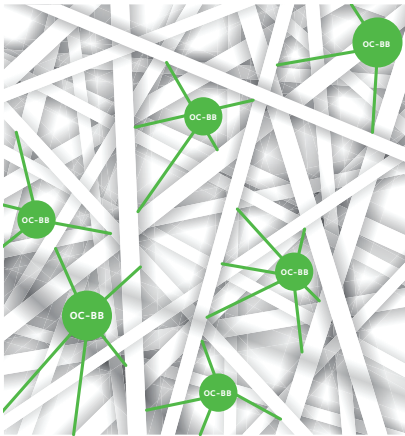
- **Hygiene and medical**
- **Home textile and table top**
- **Geotextiles and agriculture**
- **Automotive and furniture**
- **Packaging, etc.**



## Improves mechanical properties






OC-BioBinder™ binds fibers together via strong chemical bonds and thereby enhances the mechanical properties of the fiber material such as:

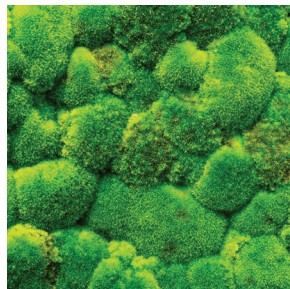
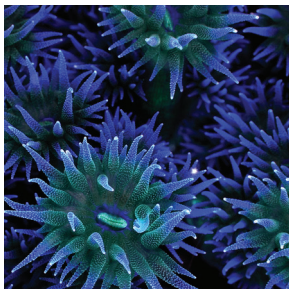
- Optimize stiffness and softness
- Enhance dry and wet strength
- Prevent fraying and linting
- Improve dimensional stability



## Versatile technologies

With OC-BioBinder™’s different technologies a few key formulas have been developed as presented in the table below. In the table, an “X” means that the specific key formula has the stated technology for stiffness, softness, dry strength, wet strength or flame retardancy. A double “XX” means that the stated technology is particularly significant.

| KEY FORMULA            |  StiffTec™ |  SoftTec™ |  DryTec™ |  WetTec™ |  FlameTec™ | Application method           | Typical usage areas     |
|------------------------|--|---|--|--|--|------------------------------|-------------------------|
| OC-BioBinder™ Pine     | X  |   | XX   |  |  | Coating, Impregnation        | Geotextile              |
| OC-BioBinder™ Spruce   | XX   |   | XX   |  |  | Spray, Coating, Impregnation | Packaging               |
| OC-BioBinder™ Birch    | X  |   | X  |  |  | Coating                      | Sun blinds              |
| OC-BioBinder™ Oak      | X  |   | X  | X  |  | Spray, Coating, Impregnation | Packaging<br>Geotextile |
| OC-BioBinder™ Lily     |  | X   | X  | X  |  | Spray, Coating, Impregnation | Tabletop<br>Medical     |
| OC-BioBinder™ Clover   |  | X   | XX   |  |  | Spray, Coating, Impregnation | Tabletop                |
| OC-BioBinder™ Ash tree | X  |   | X  |  | X  | Coating<br>Impregnation      | Automotive              |



**OC-BioBinder™ has been developed by OrganoClick AB (publ), a public Swedish cleantech company listed on Nasdaq First North that develops, produces and markets functional materials and technologies based on environmentally friendly fiber chemistry.**

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