



## BioPowder.com (Schilling Ltd.)

### Foundation

- 2017

### Employees

- >20

### Industries

- Personal Care
- Food, Feed, Pharma
- Industrial Hygiene
- Paints, Coatings, Adhesives
- Composites, Polymers
- Abrasives
- Construction, Design
- Water Treatment, Filtration

### Key Products

- Natural Exfoliators
- Bio-Based Fillers
- Fibre Additives
- Abrasive Media
- Specialty Flours

### Key Brands

- Olea FP (Functional Powder)
- Olea Colors
- naturazzo
- Olea Fill

# BioPOWDER.com

## Company

BioPowder.com is an innovative line of plant-based performance additives for diverse applications. The company was created with the mission of providing truly sustainable alternatives to synthetic fillers, fibers, flours and abrasives. First and foremost, we created bio-based solutions to replace plastic micro-beads in skincare products. Tailored exfoliants that are 100% biodegradable and made exclusively from recycled fruit stones – above all olive stones. We quickly took a broader approach and gradually evolved into a one-stop-shop for material scientists with a focus on eco-friendly innovation.

We are a specialist manufacturer with decades of experience in biomass transformation. At our facilities in Southern Spain we turn waste products from the fruit processing industry into micronized powders. The heartpiece of our activity are olive stones, a raw material with exceptional properties and a story that dates back to ancient times.

## Olea FP (Functional Powders)

Our range of tailored powder and granular additives bridges the gap between functionality and sustainability in the following exemplary applications:

### Paints and Coatings:

#### Matting Agents

- Suitable for solvent-based and solvent-free formulations
- Low density and excellent dispersion
- Higher effectiveness than conventional PE matting powders

#### Texturizers

- Variable grain sizes for diverse rheological effects
- Suitable for epoxy, PU and polyaspartic systems

#### Anti-Slip Agents

- Highly abrasion-resistant particles for in- and outdoor use
- Ideal lightweight alternative to mineral particles

### Composite Materials:

#### Engineered Plastic and Wood

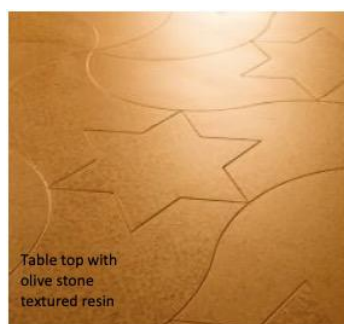
- Thermoplastic composites for extrusion and injection molding
- Fibre-reinforced PE and PU composites
- WPC mixes
- Textile fibres / filaments

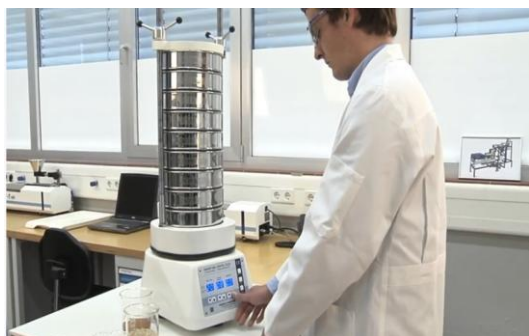
#### Rubber Chemistry

- Fillers to replace synthetics such as carbon black
- Crosslinking agents for elastomers
- Reinforcing fibres
- Texturizers, e.g. for surface modeling

#### Biodegradable Composites

- Packaging formulations
- Medical bioplastics, e.g. implants
- Agricultural utilities such as agri-films
- Funeral urns, i.e. bio-resin compounds





### Circular Economy Raw Materials: Sustainability Benefits at a Glance

- **Zero waste:** our additives are made from side stream resources only. Manufacturing is resource-saving and does not generate any waste.
- **A very low carbon footprint:** our purely mechanical production process does not involve fossil fuels or excessive quantities of drinking water.
- **No crops:** in contrast to additives made from potatoes or corn (e.g. starch, polylactic acid), our additives does not require any plantations. There is no competition with the food chain
- **Regional sourcing:** all our raw materials come from the European Union. No long transports are required.

BioPowder.com functional powders are available in the following variants:

- Hydrophobic
- Impregnated/Impermeable
- Irradiated
- Dehydrated
- Colored
- Encapsulated
- Whiteners



### Abrasive Media for Industrial and Cosmetic Uses

- Natural beads for face, body, foot, scalp and lip scrubs
- Skin abrasives for hand and surface cleaners
- Compostable sandblasting and deflashing media
- Biological consumables for zinc die casting

<https://www.bio-powder.com/en/personal-care-ingredients/>

<https://www.bio-powder.com/en/industrial-abrasives/>

### Renewable Solutions for Design and Construction

- Granular insulation materials
- Biodegradable color flakes for design and decoration
- Infill granules for artificial turf systems
- Reinforcing fibres for asphalt and bitumen
- Porosity enhancers for ceramic materials

### Nutritive Specialty Flours for Food and Feed Manufacturers

- Source of dietary fibre and antioxidants
- Natural extenders and adulterants for spices and condiments
- Thickening agents and texturizers for processed foods
- Vegan, gluten-free alternative to conventional grain flours
- Smoke chips and fully natural flavoring agents

<https://www.bio-powder.com/en/food-feed-ingredients/>

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