

Biosilico HO.PC.2099

(Formerly known as HO.PC00.2099)

Multifunctional Additive for Paints & Coatings

Biosilico HO.PC.2099 is bio-based hydrophobic silica, synthesized from Rice Husk and treated with DDS (Dimethyldichlorosilane), used as Multifunctional Additive for Paints & Coatings.

Product Benefits

- Additives for hydrophobic coatings with good water barrier and moisture repellent properties.
- Suitable for applications in hydrophobic, easy to clean or water-repellent, and anti-corrosion coatings.
- Improves storage stability and anti-settling properties of low to high solid coatings.
- Enhances low shear viscosity or thixotropy in paints and coatings without significantly affecting flow and leveling.
- Enables free flowing characteristics in powder additives and powder coatings.
- Enhances moisture resistance of powder coatings.
- Imparts reinforcing properties and enhances physical and mechanical properties for adhesives and sealants.
- Increases thermal & electrostatic charge insulation, shelf-life of product, enhances service-life of the coated part.

Properties

PROPERTIES	UNIT	SPECIFICATION
State		Amorphous – Micron powder
Appearance		White
Loss on Drying (2 hours in 105 °C)	%	Max 5.0
Tamped density	g/cm ³	approx. 0.17
pH (of 5 % suspension)		5.5 – 7.5
Surface area	m ² /g	100 – 250

At time of packaging.

Product Information



QMS granted by Universal GmbH



Packaging

Biosilico HO.PC.2099 is supplied in 10 kg bag.

Storage and Handling

- Store in closed containers under dry condition; protect the material from volatile substances and handle sensibly to minimize dust generation.
- This product should be used within 24 months from production date.

Safety Data

Warning

- Keep away from source of ignition to avoid spreading dust.
- Use with adequate ventilation.
- Drying and abrasive properties may cause skin, eye or respiratory irritation.
- Avoid inhalation or prolonged contact with skin.
- If dusty conditions prevail, use gloves and adequate respirator.
- Dispose of in accordance with state and local requirement.
- See MSDS for more information.

First Aid

- Follow the rules of personal hygiene on dust inhalation and/or eye contact.

After eye contact

- Remove contact lens if have.
- Flush open eyes with large quantity running water for at least 15 minutes.
- Call for medical care if symptoms persist.

After skin contact

- Flush skin with water at least 15 minutes
- Call for medical care if symptoms persist.

After inhalation

- Supply fresh air
- Call for medical care if complaints
- Do CPR if stop breathing.

After swallowing

- Call for medical care
- Do not induce vomiting.

