

Biosilico HO.PC.2199

(Formerly known as HO.PC00.2199)

Multifunctional Additive for Paints & Coatings

Biosilico HO.PC.2199 is bio-based hydrophobic silica, synthesized from Rice Husk and treated with HMDS, used as Multifunctional Additive for Paints & Coatings.

Product Benefits

- Additives for hydrophobic coatings with good moisture barrier 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.
- Enables free flowing behavior & rheology control characteristics in powder additives and powder coatings.
- Enhances moisture resistance of powder coatings.
- Imparts reinforcing properties and enhances physical and mechanical properties for silicone rubber, adhesives and sealants.
- Increases thermal & electrostatic charge insulation, enhances service-life of the coated part.

Properties

PROPERTIES	UNIT	SPECIFICATION
State		Amorphous – Micron powder
Appearance		White
Loss on Drying (2h in 105 °C)	%	Max 5.0
Tamped density	g/cm ³	approx. 0.2
pH		6.5 - 7.5
D(50)*	µm	3.0 - 10.0
Surface area*	m ² /g	150 - 350

At time of packaging.

* Before surface modified

Product Information



QMS granted by Universal GmbH



Packaging

Biosilico HO.PC.2199 is supplied in 15 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.

