

## Biosilico<sup>®</sup> HLPC.0112-M2

### Multifunctional Additive for Paints & Coatings

**Biosilico HLPC.0112-M2** is bio-based hydrophilic silica, synthesized from Rice Husk and used as Multifunctional Additive for Paints & Coatings.

#### Product Benefits

- Enhanced dispersion in coating formulations providing even distribution of silica particles.
- Improved mechanical properties of formulated coating such as scratch resistance, durability and hardness.
- Incorporates easily into various formulations with enhanced rheology such as viscosity and flow behavior.
- Imparts better leveling, smoother surface finish.
- Adhesion to substrates are enhanced due to increased surface energy of coating resulting from smaller particle size.
- Advanced materials with high purity from bio-based organic source.

#### Properties

PROPERTIES	UNIT	SPECIFICATION
State		Amorphous – Micron powder
Appearance		White
Loss on Drying (2h in 105 °C)	%	Max 8.0
Tamped density	g/cm <sup>3</sup>	0.02 – 0.08
Particle size (D50)	µm	2.0 – 4.0
Surface area	m <sup>2</sup> /g	150 – 350

At time of packaging.

### Product Information



ISO 9001:2015

QMS granted by Universal GmbH



#### Packaging

**Biosilico HLPC.0112-M2** is supplied in 9 kg paper 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.

