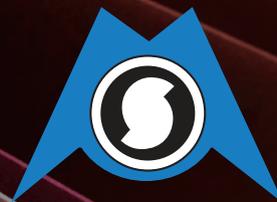


SYNTHETIC
PRECIPITATED SILICAS &
SODIUM
MAGNESIUM
ALUMINOSILICATES
FOR PAPER
APPLICATIONS



Madhu Silica Pvt. Ltd.
Bhavnagar, Gujarat

Manufacturers of Precipitated Silicas & Silicates

ABOUT US

Madhu Silica Pvt. Ltd. (MSPL) is the largest manufacturer of Precipitated Silica in India.

MSPL manufactures more than 50 different grades of Silica's catering to a wide array of Industries for different applications.

The Company have 5 established plants capable of manufacturing 2,00,000 MT / annum.

The company today has a marketing office in Delhi, a large Business Associate net work in India and across the Globe.

We are ISO certified organization, registered to several other standards and country specific requirements.

Our Markets & Silica Grades

- Paper Applications
- Paints & Coating Applications
- Oral Healthcare / Cosmetics / Pharma Applications
- Tyre / Rubber / Footwear / Misc. Rubber Applications (Highly Dispersible & Conventional Silica grades)
- Food / Feed applications
- Specialty applications
- Polymer / Plastics applications (Gel route Silica's)

Facilities

- World class manufacturing facilities to give customer satisfaction through Consistency in Quality
- In-house Rubber, Dental, paint Application Labs
- World class Research & Development Centre, established in 1996, recognized by DSIR, New Delhi.

Madhu Silica Pvt. Ltd. (MSPL) is the largest manufacturer of Precipitated Silica in India and the 4th largest in the world.



MISSION

Mission to serve the Industry by offering consistent quality products, product accessibility with differentiating services.

VISION

With a vision to create a Brand Image bringing in sustainability with growth.

VALUES

Keeping intact the values for core competence in Governance with Integrity, Accountability, Passion and Diversity.

ISO 9001

ISO 14001

OSHAS 18001

Our manufacturing setups are capable to produce defined quality with consistency

In place are

- Quality Management Systems
- Accreditations from ISO systems
- Sustainability, Transparency with Accountable work practices

Our R & D Centre was established in 1996 which gave strength to our operations and fueled our growth.

With Innovative capabilities, in place are:

- Testing and Application Laboratories for Toothpaste and Rubber
- Pilot Plant Set up

SYNTHETIC AMORPHOUS PRECIPITATED SILICAS & SODIUM MAGNESIUM ALUMINOSILICATES FOR PAPER APPLICATIONS

PRODUCT CHARACTERISTICS

- High performance synthetic amorphous precipitated silica and sodium magnesium aluminosilicate, recommended for Paper applications designed with a defined internal porosity & provide desired liquid absorption capacity.
- Precipitated Silica due to high absorption and brightness offers good opacity, whiteness for newsprint.
- Sodium aluminosilicate due to finer particle size and narrow particle size distribution offers excellent opacity, partial replacement of Titanium dioxide, enhanced friction control for Décor Paper, Speciality High end brightness paper, copier paper, coated paper etc.

BENEFITS

- Synthetic in nature, suitable for acid & alkaline sizing chemicals used in Paper manufacturing.
- Enhancement in optical properties of Paper, increasing the interfaces between air, pigment and fibre.
- Provides good opacity and hiding power.
- Improved printability, bulk and enhanced friction control.
- Low abrasion value & improved ink receptivity
- Partial replacement of Titanium dioxide.
- Spaces Titanium dioxide, thereby improving its optical efficiency.

SYNTHETIC PRECIPITATED SILICA & SODIUM ALUMINOSILICATE GRADES

- Synthetic amorphous precipitated silica grade: MFIL-P.
- Synthetic sodium magnesium aluminosilicate grades:
 - MASIL (Alkaline pH)
 - MASIL-7 (Neutral pH)
 - MASIL-123

TYPICAL PRODUCT PROPERTIES

GRADE	% MOISTURE	pH (5% SLURRY)	OIL ABSORPTION cc /100gm	BULK DENSITY (g/l)	AVERAGE PARTICLE SIZE, MICRONS	% WHITENESS	APPLICATION BENEFIT
MFIL-P	5.0	6.5	270	100	13.0	99.0	Recommended for Newsprints, to improve paper brightness depending on pulp quality used.
MASIL	5.0	10.0	120	270	5.0	99.0	Available in both neutral & alkaline pH, depending on sizing chemicals used.
MASIL-7	5.0	7.0	120	270	5.3	99.0	Recommended for paperboards, High brightness speciality / Xerox paper.
MASIL-123	5.0	7.0	90	280	5.0	99.0	Low absorption capacity, used in copier, carbonless paper.

We cater to industries worldwide for below applications



Please contact us for your requirements



Madhu Silica Pvt. Ltd.

Registered Office:

Plot No. 147, GIDC, Vartej, Bhavnagar-364060. Gujarat State (India).

T: +91 278 2540800, 2541866, 2541766 | F: +91 278 2541200

E: madhusilica@madhusilica.com | www.madhusilica.com

The technical information provided here in this catalogue, verbally or otherwise are given in good faith without warranty. We sell our product with our current specification versions and other terms and conditions. Our technical information and advise does not release the applicant who is going to use our products, from checking it and validating its performance prior to its use. We, as manufacturer do not own any responsibility arising out of such usages.