
TECHNICAL DATA SHEET

Product: Superhydrophobic Powder

Revision Date 1st June 2020

1. General Info

Product Name:	Superhydrophobic Powder
Description:	Powder for insertion and coating of cellulose based substrates
Manufacturer:	Pipedream Industries 6050 Peachtree Parkway Suite 240-312 Norcross, Georgia, USA, 30092.
Telephone:	+1 (470) 231-5943
Email:	info@pipedreamindustries.com

2. FEATURES:

Features:	Superhydrophobic (150°)
	No flammable solvent
	Recyclable
	Moisture Barrier
	Vapor Barrier

3. TECHNICAL FEATURES / PHYSICAL PROPERTIES

Colour:	White Powder
Finish:	Invisible Clear Finish
Coating Type:	Powder
Typical Thickness:	.005 microns
Theoretical Coverage	3,000-10,000 sqft/kg
Specific Gravity:	0.22 g/cm ³
Thermal Conductivity:	0.015 - 0.02W/mK

4. SURFACE PREPARATION:

All surfaces to be coated should be completely clean, dry and free from contamination.
Remove salt and other water-soluble contaminants by fresh water
Remove oil and grease with suitable detergent or solvent (SSPC-SP-1)
Remove rust, mill scale and other loose material completely by abrasive blasting (ISO 8501-1:2007 Sa 2 1/2 or SSPC SP-10)

5. APPLICATION:

Application Conditions:	The powder attaches to cellulose substrates electrostatically. As long as the powder touches the surface, the surface will be coated
Application Method:	Sand Blaster
	Brush
	Roller
	Knife Coat

	Powder Coat
	Rubbing Surface

6. DRYING TIME: There is no drying time, Once the surface is coated with powder, It will become superhydrophobic instantly.

7. SAFETY PRECAUTIONS:

<p>Detail information is given on Material Safety Data Sheet (MSDS). Avoid inhalation of Powder. Avoid eye contact. Eyes should be flushed with water and seek immediate medical attention. Application and handling of this product should be in compliance with relevant national regulations.</p>
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8. STORAGE:

<p>Store in tight container as powder aerates easily</p>
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9. GENERAL INFORMATION:

Ensure the surface is clean and clear of contaminants before applying. Apply using any of the methods listed above. Surface will be clear once applied.

Hazard Symbols:	Eye Irritant, Lung Irritant
Safety Phrases:	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Ensure adequate ventilation and use protective equipment.
National Regulations:	All components of this product are listed in the U.S. Environmental Protection Agency Toxic Substances Control Act Chemical Substance Inventory.
Information About Limitation Of Use:	For use only by technically qualified individuals.

10. OTHER INFORMATION:

Employers should use this information only as a supplement to other information gathered by them, and should make independent judgement of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Material Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.

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