

TECHNICAL DATA SHEET

Product: Thermally insulating Acrylic paint

Revision Date 1st June 2020

1. General Info

Product Name:	Thermally Insulating Acrylic Paint
Description:	Super Thermally Insulating Mold Resistant Acrylic Paint
Manufacturer:	Pipedream Industries 6050 Peachtree Parkway Suite 240-312 Norcross, Georgia, USA, 30092.
Telephone:	+1 (470) 231-5943
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2. FEATURES:

Features:	Thermally Insulating
	Mold Resistant
	Solar Reflecting

3. TECHNICAL FEATURES / PHYSICAL PROPERTIES

Colour:	White
Finish:	Flat finish
Coating Type:	Acrylic
Base:	Water-based
Volume Solids:	15%
Typical Thickness:	Dry: 25 microns / coat
Theoretical Coverage	300-400 sq ft / gallon ~7-9 M ² / L
Coats Recommended	1-2 Coats
Specific Gravity:	1.1000 g/cm ³
VOC:	Low
Thermal Conductivity:	0.015 - 0.02W/mK
Application Temperature:	~5 - ~40°C
Operation Temperature:	~-55 - ~140°C

4. SURFACE PREPARATION:

All surfaces to be coated should be completely clean, dry and free from contamination. Surface preparation method shall be in accordance with ISO 8504: 2000
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:	Shake well before use
Mixing:	Can thin using conventional thinner. Insulating properties will decrease as dilution occurs
Induction Time:	NA
Application Method:	Airless spray Thinner :Nozzle pressure: Not less than 10Mpa Nozzle Tip : No.163-415~617
	Brush/Roller Thinner : Power mix to loosen paint, apply using Brush roller
Coats Recommended:	1-2

6. DRYING TIME:

Drying time may vary depending on film thickness, ventilation, humidity, undercoat paint condition etc.

	5°C:	20°C:	30°C:
Surface Dry:	6 Hours	4 Hour	3 Hour
Touch Dry:	10 Hours	8 Hours	6 Hours

7. OVERCOATING INTERVAL:

	5°C:	20°C:	30°C:
Minimum:	16 hours	12 hours	8 hours
Maximum:	NA	NA	NA

8. SAFETY PRECAUTIONS:

Detail information is given on Material Safety Data Sheet (MSDS). Avoid inhalation of spray mist or vapour. Avoid skin and eye contact. Paint contacted with skin should be immediately removed with water and/or suitable cleanser. Eyes should be flushed with water and seek immediate medical attention. Since this product contains flammable solvents, keep away from sparks and open flames. Application and handling of this product should be in compliance with relevant national regulations.

9. STORAGE:

Store in dry, cool condition and away from sources of heat and ignition. Containers must be kept tightly closed. Store conditions shall be in accordance with national regulations.

10. SHELF LIFE:

3 years from manufacturing date

12. GENERAL INFORMATION:

Although direct two coats application on to steel surface is possible for in door service, blast cleaning to steel surface is required.

- Make sure to protect painted film from dust in case drying time under normal temperature becomes long before high temperature service starts.

- It is not suitable for a strong steam, acid and alkali environment due to poor resistance.

- When over coated, bleeding of undercoat may be observed.

The bleeding would stop when a second coat of over coat is applied or by spray application.

Hazard Symbols:	Eye Irritant
Safety Phrases:	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

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.

13. 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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