

THERM ALUMINUM HI-HEAT

Product No. **PS3405**

Ritver Therm Aluminum Hi-Heat is a modified silicon based coating formulated to resist temperatures up to 600 degree centigrade. The product is suitably pigmented with a highly leafing aluminum pigment enhancing its stability to high temperatures. The product air dries to handle and develops its peak properties when it is put into service at 400°C and above. It can be used as primer mid-coat and topcoat in atmospheric environment.

USE

Substrates: Carbon Steel, Galvanized, Stainless and Aluminum.
Area of Use: As a heat resistant coating in insulated or non-insulated surfaces such as furnace, boiler casings, process vessel piping, radiators and heat exchangers etc.

SPECIFICATIONS

Properties

Finish	: Matt
Colour	: Aluminum
Specific gravity	: 1.00 ± 0.02
Solids by volume	: 35 ± 2.0 %
Diluent	: PT1081XS
Flash point	: 27°C
Spread Rate	: 14 m ² /L at 25 microns
Drying Time (30°C at 50RH)	
Dust Free	: 15 minutes
Dry to handle	: 30 minutes
Dry to recoat	: 4 hours
Recommended DFT	: 25 microns
Heat Resistance	: Up to 400°C

SURFACE PREPARATION

Always ensure that the surface to be painted must be free of dirt oil and grease.

Carbon Steel: Surface must be at a minimum of SA 2.5 or (ISO-8501-1).

Stainless Steel: Cleanliness and surface profile must be in accordance to SA 2.5 Fine G (ISO 8503-2).

Aluminum: Surface must be hand or machine sanded with a non-metallic abrasive to remove all polished surface

Galvanized Steel: Must be clean dry and appear with a dull profile.

APPLICATION METHODS

Adequate ventilation should always be observed when applying Ritver Fast Drying Industrial Primer. This will ensure proper drying of the material. Never apply this product in adverse weather conditions such as when the temperature is below 5°C or when the humidity level is above 90%. The surface temperature should always be kept at not less than 3 degree above dew point. In confined spaces constant purging of air during application and drying is necessary to eliminate solvent vapors for reason of health and safety and to assist solvent evaporation.

This information contained in the data sheet is to the best of our knowledge correct and up-to-date. Under well-defined conditions. Its accuracy or suitability under the actual conditions of any independent use is not guaranteed and must be determined by the user. All advice given about this product is given in good faith. Since as we have no control over conditions of substrate and application, manufacturer and seller cannot accept any liability in connection with the use of the product relative to coverage, performance, injury, or damage, unless we specify in writing to do so. The information in this data sheet is subject to change without prior notice and it is the user responsibility to ensure it is current. For further information and advice please contact RITVER Technical Service Department.

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APPLICATION METHODS

The recommended method of application is by airless or air spray. However the product can also be applied using roller or brush in hard to reach areas during maintenance works. or brush. Thinner can be added for improving application properties. The addition of PT1081XS Thinner depends on the application methods used which is in the range of 10 to 20 percent.

TYPICAL PAINT SYSTEM

Ritver Therm Aluminum Hi-Heat Or as per Ritver technical advise	Ritver Zinc Silicate Primer Ritver Therm Aluminum Hi-Heat Ritver Therm Aluminum Hi-Heat	1 coat, 50-70 microns 1 coat, 25 microns 1 coat, 25 microns
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STORAGE & SHELF LIFE

Under dry and cool condition, Storage stability can be sound up to 18 months in original sealed containers.

HANDLING

Disposal: As per the guidance and legislations of the local Authority e.g., by controlled landfill. In case of doubt, consult local authority. Do not empty into drains, sewers or other water courses.

Flash Point: 27°C and contains Aromatic Hydrocarbons.

Caution: It is strongly advised not to keep open half used drums as it forms a skin on the top layer.

SAFETY PRECAUTION

Avoid contact with the skin and eyes. Wear suitable protective clothing such as overalls, goggles, dust mask and gloves. Use a barrier cream. Other industrial practices are applicable. Ensure that there is adequate ventilation in the area where the product is being applied. Do not breathe vapour or spray.

MSDS is available on request for the safe handling of this product.

FIRST AID

Eyes: In the event of accidental splashes, flush eyes with warm water immediately and obtain medical advice.

Skin: Wash skin thoroughly with soap and water or approved Industrial cleaner. DO NOT USE solvent or thinners.

Inhalation: Remove to fresh air, loosen collar and keep patient rested.

Ingestion: In case of accidental ingestion DO NOT INDUCE VOMITING. Obtain immediate medical attention.

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