

# ShaliProtek® HR AL 300

Heat Resistant Aluminised Protective Coating



STP Limited

## Description

**ShaliProtek® HR AL 300** is a single component, high performance, heat resistant, aluminised protective coating for steel surfaces.

**ShaliProtek® HR AL 300** can withstand temperature up to 300 °C with excellent resistance to water and fair resistance to acid / alkali / saline atmosphere.

**ShaliProtek® HR AL 300** is free from Lead / Chromate and gives bright metallic finish to substrate.

## Characteristics – Physical

Colour	Aluminium	Flash Point, °C	> 23
Finish	Bright Metallic	Volume Solid, %	30
Drying time <ul style="list-style-type: none"><li>• Touch dry, minutes</li><li>• Hard Dry, hrs</li><li>• Overcoating, hrs, minimum</li></ul>	20 -30 18 – 24 18	DFT, micron	20
		Theoretical Coverage* m <sup>2</sup> / L	9 - 11
		Specific gravity @ 30 °C, g / cm <sup>3</sup>	0.98 – 1.00

\* Depending upon surface condition.

## Application

- Steel structures exposed to dry heat.
- Chimneys / Stacks.
- Boiler fronts / kiln outer body.
- Pipeline exposed to dry heat.

## Advantages

- Self-priming.
- Easy to apply by brush or spray.
- Excellent resistance to dry heat up to 300 °C.
- Excellent resistance to water.
- Resistant to acid, alkali and saline exposure.

## Application Methodology

### ➤ Surface Preparation

- Remove all loose gravel, dirt, oil, grease and foreign matter by jet of dry air and clean the surface mechanically or by grinding to make it smooth before application.

### ➤ Material Preparation

- Stir **ShaliProtek® HR AL 300** by a slow speed mixture (approx. 400 rpm) fitted with a suitable mixing paddle to ensure a homogenous mix.
- After stirring, wait for the product to settle in order to let entrapped air escape.
- Skin formation may happen on the top of material during humid condition. In that event, cut skin from the periphery of the container and remove it and then stir it as mentioned above.

### ➤ Application of Material

- Apply first coat of **ShaliProtek® HR AL 300** with a brush / spray gun on surface.
- Apply second coat of **ShaliProtek® HR AL 300** after 24 hours of the first coat.

## Health & Safety

- The product should not come in contact with the skin and eyes, or be swallowed.
- Ensure adequate ventilation and avoid inhalation of vapours as some people are sensitive to resins, hardeners and solvents.
- Wear suitable protective clothing, gloves and eye protection.
- In case of contact with skin, rinse with plenty of clean water, then cleanse with soap and water. Do not use solvent to clean the contacted area.
- In case of contact with eyes, rinse immediately with plenty of clean water and seek medical advice.
- If swallowed seek medical attention immediately - **do not** induce vomiting.

## Packing

Available in 5 L and 20 L drum.

## Storage

Store in a cool dry place, under shed, away from heat.

## Shelf Life

12 months in original unopened sealed conditions.



**STP Limited**  
*Enhancing Structures' Life*

### Product Range

- Waterproofing & Insulation
- Road Surfacing
- Sealants & Adhesives
- Pipeline Coatings
- Protective/Anti-Corrosion Coatings
- Epoxy and Flooring
- Grouts and Admixtures (GARA)
- RestoFix - Repair/Rehabilitation
- Other Construction Chemicals



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