

Technical Data Sheet: Ref: TDS-HPC-0001-V02

Date of issue: June 2017

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## A142-3003

### ACRYLIC BAKING ENAMEL

<b>GENERIC TYPE</b>	Acrylic																				
<b>DESCRIPTION</b>	A142-3003 is a baking glossy topcoat based on a thermo-set acrylic resin.																				
<b>RECOMMENDED USE</b>	For use on Metal surfaces where a hard, glossy and adherent finish coat is required, especially in home appliances like laundry washing machine, refrigerator, and dish washing machine and so on.																				
<b>FEATURE</b>	<ul style="list-style-type: none"> <li>-High gloss and color retention</li> <li>-Excellent spray ability and work process</li> <li>-Excellent flexibility and impact resistance</li> <li>-Good resistance to different environmental conditions</li> <li>-High adhesion to different metallic surfaces</li> </ul>																				
<b>PHYSICAL PROPERTIES</b>	<table border="1"> <tr> <td>Finish</td> <td>Gloss- High Gloss</td> </tr> <tr> <td>Color</td> <td>Upon Request</td> </tr> <tr> <td>Solid by volume</td> <td>45±5%</td> </tr> <tr> <td>Specific Gravity</td> <td>1.1±0.1 gr/cm<sup>3</sup></td> </tr> <tr> <td>Flash point</td> <td>Max 31 °c</td> </tr> <tr> <td>Recommended D.F.T.</td> <td>30-60 microns</td> </tr> <tr> <td>Theoretical coverage</td> <td>16.6-6.6 m<sup>2</sup>/Lit</td> </tr> <tr> <td></td> <td>Practical coverage depends on loss factor</td> </tr> <tr> <td>Flash time</td> <td>15 min.</td> </tr> <tr> <td>Stoving condition</td> <td>Temp:160°c 15-20 min.</td> </tr> </table>	Finish	Gloss- High Gloss	Color	Upon Request	Solid by volume	45±5%	Specific Gravity	1.1±0.1 gr/cm <sup>3</sup>	Flash point	Max 31 °c	Recommended D.F.T.	30-60 microns	Theoretical coverage	16.6-6.6 m <sup>2</sup> /Lit		Practical coverage depends on loss factor	Flash time	15 min.	Stoving condition	Temp:160°c 15-20 min.
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## APPLICATION

Application method	Air/Airless spray, Brush, Roller
Surface temperature	10-50 °c
Mixing ratio	Single pack
Packaging	20 KG
Thinner/cleaner	A840-0142
Pot Life	N/A
Recoat interval	Min 1 hrs. at 20° c Max indefinite Recoating intervals related to later conditions of exposure
Nozzle orifice	0.018"-0.021"
Nozzle pressure	150 bar/2175 psi Airless spray is indicative and subject to adjustment
Application condition	Apply only on a dry and clean surface with a temperature above the dew point to avoid condensation. In confined spaces provide adequate ventilation during application and drying.

## SURFACE PREPRATION

The surface must be clean and dry. Any contamination such as dirt, grease, oil, salt and any other foreign materials should be removed.

## SAFETY PRECAUTIONS

Detail information is given on Material Safety Data Sheet (MSDS). Avoid inhalation of spray mist or vapor. 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.

## 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.

## SHELF LIFE

12 months from date of production

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