

**PRODUCT NAME****High Temperature Aluminium 4036**

**Issue date** 07/07/2003  
**Formula number** ALM4036  
**Product code** TOPALM4036  
**Printed date** Thu 20/03/08 at 12:27:14

**PACKAGING**

Available in 1 &amp; 5 litre tins and 25 &amp; 200 litre drums.

**PRODUCT FUNCTION**

High Temperature Aluminium 4036 is an air drying silicone based paint specifically formulated to enable the dried film to tolerate high temperatures of up to 500°C. The full physical properties of the system are achieved after baking at temperatures above 220°C (at this temperature the free silicone resins in the system auto cross link).

At temperatures of up to 300°C there is virtually no decomposition of the silicone binder. Above 300°C the silicone is gradually driven off without charring or flaking of the paint. From 300 - 500°C. the finish is still efficient because, the pigment film sinters on to the metal surface.

NB: AN OUTSTANDING FEATURE OF THE 4036 / AR141 SYSTEM IS THAT GASSING AND SMOKING ARE SIGNIFICANTLY REDUCED WHEN IT FIRST ATTAINS HIGH TEMPERATURE. THIS IS OF PARTICULAR ADVANTAGE IN THE AUTOMOTIVE FIELD, AND WHEN 4036 / AR141 IS USED IN CONFINED SPACES.

**TECHNICAL INFORMATION**

Solids Approximately 30%  
 Flashpoint Between 22 to 32°C  
 Specific Gravity 0.98 approximately  
 Viscosity 40 seconds B4 Ford Cup  
 Temp Resistance 500°C  
 Storage 12 months in original sealed containers  
 Flash off period 10  
 Colour retention Excellent

**APPLICATION AND USAGE DATA**

Touch dry 10 minutes  
 Firm dry 30 minutes  
 Hard dry 60 minutes  
 Thinners THINNER 2621  
 Overcoating 15 minutes minimum, at any stage maximum  
 Eqp. cleaning GUNCLEANER 401  
 Film thickness 60 microns WFT gives approximately 15 microns DFT  
 Coverage 16 square metres per litre (theoretical)  
 VOC 570g/l

**COLOUR RANGE**

Aluminium.

**SPECIAL PROPERTIES**

A particular feature of the high temperature range of products is their excellent resistance to "thermal shock" combined with excellent petrol / oil resistance. Aluminium 4036 has been specified for use by British Leyland / Ford / Jaguar on under bonnet components subject to high temperature conditions.

**PREPARATION**

Any metal surface that is to be coated with high temperature systems must first be thoroughly degreased and free of millscale, corrosion patches; any of which will seriously impair the final film. Do not use primers.

**HOW TO USE**

- Airless       Brush       Electrostatic       HVLP  
 Conventional spray       Dipping       Roller       See application data

**APPLICATION**

High temperature systems may be either sprayed or brushed on, but as with all metallic finishes, a superior result is obtained by spraying. To attain the highest possible resistance to the rigors of high temperature work, use 2 thin coats in preference to 1 thick coat.

**Technical Data Sheets are also available on our website at [www.hmgpaint.com](http://www.hmgpaint.com)**

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[www.hmgpaint.com](http://www.hmgpaint.com)  
[sales@hmgpaint.com](mailto:sales@hmgpaint.com)**HEALTH AND SAFETY**

- Refer to health and safety data sheet and tin label prior to use.
- The product contains xylene and is harmful by inhalation and skin contact.
- Suitable respiratory equipment should be worn when using this product.

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