

PRODUCT NAME**High Temperature Aluminium 4036****HMG PAINTS LTD**

Collyhurst Road

Manchester, M40 7RU

Tel: 0161 205 7631 - Fax: 0161 205 8823

www.hmgpaint.com

sales@hmgpaint.com

Issue date 07/07/2003
Formula number ALM4036
Product code TOPALM4036
Printed date Tue 31/08/04 at 12:32:41

PACKAGING

Available in 1 & 5 litre tins and 25 & 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

- | | | | |
|--|---|--|---|
| <input type="checkbox"/> Airless | <input checked="" type="checkbox"/> Brush | <input type="checkbox"/> Electrostatic | <input checked="" type="checkbox"/> HVLP |
| <input checked="" type="checkbox"/> Conventional spray | <input type="checkbox"/> Dipping | <input type="checkbox"/> Roller | <input type="checkbox"/> 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

PRODUCT NAME**High Temperature Aluminium 4036****HMG PAINTS LTD**

Collyhurst Road

Manchester, M40 7RU

Tel: 0161 205 7631 - Fax: 0161 205 8823

www.hmgpaint.comsales@hmgpaint.com

Issue date	07/07/2003
Formula number	ALM4036
Product code	TOPALM4036
Printed date	Tue 31/08/04 at 12:32:41

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.

Technical Data Sheets are also available on our website at www.hmgpaint.com

THIS INFORMATION RELATES ONLY TO THE SPECIFIC MATERIAL DESIGNATED AND MAY NOT BE VALID FOR SUCH MATERIAL USED IN COMBINATION WITH ANY OTHER MATERIALS OR IN ANY PROCESS. Such information is to the best of HMG's knowledge and belief accurate and reliable as of the date indicated. HOWEVER, NO REPRESENTATION, WARRANTY OR GUARANTEE IS MADE AS TO ITS ACCURACY, RELIABILITY OR COMPLETENESS. IT IS THE USER'S RESPONSIBILITY TO SATISFY HIMSELF AS TO THE SUITABILITY AND COMPLETENESS OF SUCH INFORMATION FOR HIS OWN PARTICULAR USE. For Professional Use Only.

Ref:10