

TECHNICAL DATA SHEET
HIGH TEMPERATURE ALUMINIUM PAINT

TDS: TMQ303
445/Q303/5

DESCRIPTION:

Teamac High Temperature Aluminium Paint is a high quality enamel for use at temperatures up to 450°C indirect heat.

RECOMMENDED USE:

Teamac High Temperature Aluminium Paint is ideal for use in areas prone to heat. May be used as a single coat for fire surrounds, radiators, hot pipes and more. **IMPORTANT** - See remarks on painting / curing process.

AVAILABILITY:

2.5 litre

FINISH:

Satin

COLOUR:

Aluminium

TYPICAL S.G. (SPECIFIC GRAVITY):

1.0 @ 20 °C

VOLUME SOLIDS:

45%

WET FILM THICKNESS W.F.T

40 to 80 microns

DRY FILM THICKNESS D.F.T

10 to 20 microns

EXPECTED SPREADING RATE:

12 sq.m / litre

@ 20 microns D.F.T

The practical spreading rate may be lower as this depends on factors such as the porosity and roughness of the surface to be painted and material losses during application.

TYPICAL VISCOSITY:

1.6 Poise @ 25 °C

FLASH POINT:

25 °C (closed cup)

DRYING TIME: @ RECOMMENDED D.F.T

Touch dry: 10 to 20 mins @ 20 °C

Hard dry: 20 mins @ 220 °C

Full hardness: N/A

Low temperature and high humidity will adversely affect application, drying and performance of any coating.

MINIMUM OVERCOATING TIME:

N/A

APPLICATION SPECIAL CONDITIONS:

See Remarks section.

VOC CONTENT:

Max 600 g / litre

VOC's (Volatile Organic Compounds) contribute to atmospheric pollution

APPLICATION DETAILS:

Application See Remarks restrictions

Method: Brush or Roller

Thinner Thinners 16 (5%)
(Max vol):

Nozzle size: N/A

Nozzle N/A
pressure:

Cleaning solvent: Thinners 16

Recoat interval: N/A

For further advice contact Teamac Technical Services on +44(0)1482 320194

The physical constants are subject to normal manufacturing tolerances.

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SURFACE PREPARATION:

Ensure all surfaces are clean, dry and free from grease, oil and any other contaminants. Bare steel should be free from dust, rust and scale. Blast cleaning to SA 2½ is recommended. If blast cleaning is impractical, mechanical cleaning should be employed as hand cleaning does not clean the steel to the required degree. Any oil or grease should be removed with Teamac Universal Degreaser before de-rusting. Where blast cleaning is carried out after assembly, special attention must be paid to edges, corners, nuts, bolts, welds etc. Welds should, if necessary be ground and all weld spatter, slag etc. must be removed.

The information given in this data sheet is based on experience and is accurate to the best of our knowledge. No guarantee should be implied, however, as the conditions of use are beyond our control. This data sheet does not constitute a specification. In case of doubt as to the suitability of the product please contact our Technical Service Department on 01482 320194.

MIXING INSTRUCTIONS:

Mix well before use.

APPLICATION CONDITIONS:

As dictated by normal good painting practice. In confined spaces, provide adequate ventilation during application and drying.

PRECEDING COAT:

N/A

SUBSEQUENT COAT:

N/A

REMARKS:

The dry film only fully cures after heating, slowly, to above 220 °C for 20 to 30 minutes. Unless fully cured the film remains thermoplastic and sensitive to some solvents. The film may be cured in-service, some fume and light smoke generation is associated with the initial cure.

HEALTH AND SAFETY:

See safety data sheet - SDS 10673

ISSUED:

12 April 2013

REVISION:

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