Teamac®
Marine & Industrial Coatings

TECHNICAL DATA SHEET TDS: TMP101A

P101 2 PACK POLYURETHANE TOPCOAT 507/P101/ALL

DESCRIPTION:

Teamac P101 2 Pack Polyurethane Topcoat and Varnish is a light stable clear/coloured aliphatic polyurethane coating which will not fade or yellow when exposed to high levels of ulta violet light.

RECOMMENDED USE:

Teamac P101 2 Pack Polyurethane Topcoat and Varnish is used as a coating that will not support fungus growth and is easily cleaned of surface contaminants. For marine applications on GRP, wood, ferro concrete and suitably primed metals. Can be used over compatible water based paints. Not for use over conventional solvent based paints.

AVAILABILITY:

1 kilo and 5 kilo mixed packs

FINISH:

Gloss

COLOUR:

Clear, colours available to order, BS, Ral etc.

TYPICAL S.G. (SPECIFIC GRAVITY):

1.07 @ 20 °C

VOLUME SOLIDS:

47%

WET FILM THICKNESS W.F.T

120 to 135 microns

DRY FILM THICKNESS D.F.T

65 to 75 microns

EXPECTED SPREADING RATE:

35 to 40 sq.m / 5 kilo pack
@ 75 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:

N/A

FLASH POINT:

40 °C (closed cup)

CURE TIME: @ RECOMMENDED D.F.T

Initial cure:	3 to 4	hours @ 20 °C
Hard dry:	16 to 24	hours @ 20 °C
Full cure:	5 to 7	days @ 20 °C

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

POTLIFE:

6 to 8 hours @ 20 °C

Pot Life - Once the parts are mixed together the material has to be used within the time stated.

MINIMUM OVERCOATING TIME:

Minimum 16 hours

APPLICATION SPECIAL CONDITIONS:

See Application Conditions.

VOC CONTENT:

Max 498 g / litre

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

APPLICATION DETAILS:

Application restrictions	See Application Conditions.	
Method:	Brush or short nap mohair roller.	Airless Spray
Thinner (Max vol):	Do Not Thin.	Do Not Thin.

For further advice contact Teamac Technical Services on +44(0)1482 320194
The physical constants are subject to normal manufacturing tolerances.
"COVERING OUR CUSTOMERS' NEEDS SINCE 1908"

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Nozzle size:	0.013"	
Nozzle pressure:	1800 to 2000 psi	
Cleaning solvent:	Anti-Graffiti Brushwash	
Recoat interval:	Minimum 16 hours	Maximum 72 hours

SURFACE PREPARATION:

All surfaces should be laitence free, clean, dry, sound and free from contaminants.

MIXING INSTRUCTIONS:

The product is supplied in two containers: one larger than the other and labelled Base. The other smaller one labelled Hardener. The contents of the pack marked Hardener are added to the contents of the larger pack marked Base and thoroughly mixed together, preferably by slow speed electric mixer for 2 minutes or until thoroughly mixed. Failure to mix the material correctly will lead to uncured areas in the coating.

APPLICATION CONDITIONS:

Apply between 5 to 30°C by brush or short nap mohair roller. This product can also be spray applied in approved conditions. When brush or roller applied at ambient temperatures - these products do not emit free Isocyanate at above levels recommended by C.O.S.H.H. Regulations. However, the protective measures shown on the product labels and safety data sheets must be followed. When used at elevated temperatures or atomised (sprayed) these products do emit small amounts of free Isocyanate and should only be sprayed in an atmosphere controlled working area, with suitable ventilation or flame proof extraction of air. Operatives must wear suitable protective clothing and separate air fed breathing apparatus. It is recommended that spraying of these products be avoided wherever possible to facilitate uncomplicated application and site conditions.

PRECEDING COAT:

Prime porous ferro concrete surfaces with, Coo-Var High Performance Primer. Metal surfaces should be suitably primed. (Teamac Etch Primer for aluminium, Teamac Epidox 2 Zinc Phosphate Primer for steel.)

SUBSEQUENT COAT:

Teamac P101 2 Pack Polyurethane Topcoat / Varnish

REMARKS:

Not for use over conventional solvent based paints.

HEALTH AND SAFETY:

For Varnish hardener see safety data sheet - SDS 10866, for base see safety data sheet - SDS 10867. For Topcoat Hardener see safety data sheet - SDS 10973, for base see safety data sheet - SDS 10972.

ISSUED:

20 November 2009

REVISION:

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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 specificaton. In case of doubt as to the suitability of the product please contact our Technical Service Department on 01482 320194.

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