Teamac®
MARINE AND INDUSTRIAL COATINGS SINCE 1908

ISOQAR REGISTERED 0026 UKAS MANAGEMENT SYSTEMS
Certificate Number 6816
ISO 9001, ISO 14001

TECHNICAL DATA SHEET TDS: TMQ113A

HIGH PERFORMANCE MARINE PRIMER 515/Q113

DESCRIPTION:

Teamac High Performance Marine Primer offers the highest level of corrosion resistance for above and below the waterline in harsh marine environments. It is a two-pack epoxy zinc phosphate coating that can extend the lifespan of your boat.

RECOMMENDED USE:

Teamac High Performance Marine Primer is suitable for yachts, power boats, dinghies, narrowboats, cruisers, commercial vessels and many other marine applications. It can be applied to suitably prepared wood, GRP, steel and aluminium. It is used for application to blast cleaned and other suitably prepared steel surfaces. It is not suitable for use as a weld through blast primer. Provided the steel has been cleaned effectively an outstanding bond is formed between primer and metal.

AVAILABILITY:

5 litre units comprising of two packs

FINISH:

Eggshell

COLOUR:

Grey, Red

TYPICAL S.G. (SPECIFIC GRAVITY):

1.55 @ 20 °C

VOLUME SOLIDS:

52.5

WET FILM THICKNESS W.F.T

85 to 190 microns

DRY FILM THICKNESS D.F.T

44 to 100 microns

EXPECTED SPREADING RATE:

12 sq.m / litre @ 44 microns D.F.T

5.2 sq.m / litre @ 100 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:

25 °C (closed cup)

CURE TIME: @ RECOMMENDED D.F.T

Initial cure:	1.5 to 2	hours @ 20 °C
Hard dry:	16	hours @ 20 °C
Full cure:	3 - 5	days @ 20 °C

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

POTLIFE:

4 hours @ 20 °C

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

MINIMUM OVERCOATING TIME:

2 to 4 hours

APPLICATION SPECIAL CONDITIONS:

Do not apply below 5°C or at humidity levels above 80 to 90%

VOC CONTENT:

<500 g / litre

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

APPLICATION DETAILS:

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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Application restrictions	N/A	
Method:	Airless Spray	Brush
Thinner (Max vol):	Do not thin	Do not thin
Nozzle size:	.021" - .027"	
Nozzle pressure:	1800 - 2300 psi	
Cleaning solvent:	Epoxy Cleaners 39	
Recoat interval:	2 to 4 hours	

SURFACE PREPARATION:

Ensure all surfaces are clean, dry and free from grease, oil and any other contaminates. 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 solvent 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.

MIXING INSTRUCTIONS:

By volume, mix 3 parts of the base with 1 part of the activator, as the ratio supplied. These should be thoroughly mixed together, preferably by slow speed electric mixer. Ensuring the material is thoroughly mixed is very important - poorly mixed product can lead to soft spots and uncured coatings. Thinning is not normally required for airless spray systems. Use within 4 hours. Clean and flush equipment immediately after use to prevent the paint solidifying in guns, pots and lines.

APPLICATION CONDITIONS:

Should not be carried out when the ambient temperature is below 5 °C (Please note drying will be retarded below 10 °C but will stop below 5 °C) or the relative humidity is above 80 to 90%. As dictated by normal good painting practice. In confined spaces, provide adequate ventilation during application and drying.

PRECEDING COAT:

Can be applied over 2 pack zinc phosphate blast primers which are free from contamination.

SUBSEQUENT COAT:

High Performance Marine Primer forms a system with Teamac Marine High Performance Gloss and can be used with Teamac Antifoulings and top coats. Will go under most 1 and 2 pack materials.

REMARKS:

Ensure mixing instructions are followed.

HEALTH AND SAFETY:

See safety data sheet - Base - SDS 20775
Activator - SDS 20776

ISSUED:

19 November 2019

REVISION:

3

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