



Protective & Marine Coatings

SEAVOYAGE TIECOAT 1030 VINYL COATING

Revised 01/2021 Issue 1

PRODUCT INFORMATION

PRODUCT DESCRIPTION

Seavoyage Tiecoat 1030 - Modified Vinyl Coating.

RECOMMENDED USE

Tiecoat for Sherwin Williams antifouling systems, providing an excellent key for subsequent antifouling paints. Anti-corrosion coating for ship hulls.

RECOMMENDED APPLICATION METHODS

Airless Spray
Brush
Roller*

Notes: *In case of brush or roller application more layers may be required to achieve the specified film thickness. When painting edges and welds, stripe coating is recommended.

Recommended Thinner:
C50

PRODUCT CHARACTERISTICS

Flash Point: 20°C

% Solids by Volume: 30 ± 2%

Colour Availability: S (Silver)

VOC (Theoretical): 615 g/l

TYPICAL THICKNESS

Dry film thickness		Wet film thickness		Theoretical coverage	
				m ² /ltr*	
Min	Max	Min	Max	Min	Max
40	80	133	267	7.5	3.8

* This figure makes no allowance for surface profile, uneven application, overspray or losses in containers and equipment. Film thickness will vary depending on actual use and specification.

AVERAGE DRYING TIMES

	5°C	10°C	20°C	30°C
Set to touch:	1.5hrs	1hr	40mins	30mins
Hard Dry	12hrs	10hrs	8hrs	6hrs
Painting Interval:				
Min (AC)	12hrs	10hrs	8hrs	6hrs
(AF)	15hrs	12hrs	9hrs	8hrs
Max (AC)	-	-	-	-
(AF)	7days	7days	7days	7days

These figures are given as a guide only. Factors such as air movement, humidity and build up of underlying coatings must also be considered.

RECOMMENDED PRIMERS

Macropoxy C425V2

RECOMMENDED TOPCOATS

Seavoyage 5600, 5800, 1200 or 1220

PACKAGE

Single Pack Product

Pack Size: 20 litre units

Weight: 1.08 kg/litre (may vary with shade).

Shelf Life: 12 months from date of manufacture or 'Use By' date where specified



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SURFACE PREPARATION

New Steel:

Blast clean to Sa2½ (ISO 8501-1:2007). Average surface profile in the range 50-75 microns. Manually prepared surfaces should be prepared to a minimum standard of St3 (ISO 8501-1:2007). At the time of coating ensure surfaces to be coated are clean, dry and free from all surface contamination. For compatibility please consult Sherwin-Williams.

Repair/Maintenance:

Remove oil and grease etc. Remove salt and the other contaminants by (high pressure) fresh water cleaning and completely dry. Clean damaged area by abrasive blasting to the standard Sa2 (ISO 8501-1:2007) minimum or power tooling to St2 (ISO 8501-1:2007) minimum.

Water jetting:

Apply a/c system. Type and degree of surface preparation depends on type and condition of actual substrate and on desired performance.

APPLICATION EQUIPMENT

Airless Spray

Nozzle Size: 0.46-0.53mm (18-21 thou)
Fan Angle: 80°
Operating Pressure: 170-200kg/cm² (2500-3000 psi)

The airless spray details given above are intended as a guide only. Details such as fluid hose length and diameter, paint temperature and job shape and size all have an effect on the spray tip and operating pressure chosen. However, the operating pressure should be the lowest possible consistent with satisfactory atomisation. As conditions will vary from job to job, it is the applicators' responsibility to ensure that the equipment in use has been set up to give the best results. If in doubt Sherwin Williams should be consulted.

Brush

An addition of 5% Cleanser C50 is necessary, before brush application can commence, even then it is only suitable for application to small areas. Application of more than one coat may be necessary to give equivalent dry film thickness to a single spray applied coat.

Roller

The material is suitable for roller application. Application of more than one coat may be necessary to give equivalent dry film thickness to a single spray applied coat. At temperatures below 10°C, 5% thinning with Cleanser C50 may be necessary.

APPLICATION CONDITIONS AND OVERCOATING

Maximum 85% relative humidity. Substrate temperature shall be at least 3°C above the dew point.

Application at temperature down to -5°C is possible, but curing time takes longer and full cure will be reached when temperature increases.

N.B. This thinning will make the material non-compliant with regards to VOC legislation.

If it is desired to overcoat outside the times stated on the data sheet, please seek advice of Sherwin-Williams.

ADDITIONAL NOTES

Drying times should be considered as a guide only. After application, the coating should be allowed a minimum of 16 hours drying prior to immersion.

The drying period is a guide only and may need to be increased considerably if multiple coats have been applied over an already high thickness of spent antifoulings. In these instances the old system can act as a sponge and induce solvent strike-back. The hardness and integrity of the whole bottom system must be checked before it is immersed. Numerical values quoted for physical data may vary slightly from batch to batch.

HEALTH AND SAFETY

Consult Product Health and Safety Data Sheet for information on safe storage, handling and application of this product.

WARRANTY

Whilst all statements made about our products (whether in this data sheet or otherwise) are correct and accurate to the best of our knowledge, we have no control over the quality or the condition of the substrate, the application conditions or the many other factors affecting your use and application of our product.

The appropriateness of the product under the actual conditions of application or intended use must be determined exclusively by you. The content of this document, and of any oral or written statements already made or to be made in relation to the subject matter of this document, including any suggestions as to appropriate products and any proposed application methods, technical details and other product information represent only test results or experience obtained under controlled or defined circumstances, and is therefore provided for general information purposes only.

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