

BG Coatings **Datasheet**



DTM – ANTI CORROSIVE COATING

PRODUCT CODE: 1490 - SERIES

TECHNICAL DATA SHEET NO: 1490 - 1

DATE: APRIL 2023

THIS SUPERSEDES ALL PREVIOUS PUBLICATIONS

PRODUCT DESCRIPTION BG Aqua DTM 1490 is a premium quality anti-corrosive coating which provide direct-to-metal (DTM) protection for interior and exterior applications.

- Formulated with a matrix of anti-corrosive pigment and flash rust inhibitor.
- The system is suitable for use in mild to moderate environments.

INTENDED USES Designed for metal protection, it may however also be used on other substrates, including:

- Steel, including stainless steel.
- Galvanised steel.
- Aluminium and zinc alum.

FEATURES & BENEFITS

- Convenient 3 in 1: Adhesion primer, Anti-rust coating and attractive topcoat in one.
- Flash rust resistant.
- Excellent adhesion.
- Tough long-lasting barrier.
- Rapid drying - early recoatable.
- UV and weather-resistant.
- Attractive enamel finish.
- Low VOC and non-flammable.

PRODUCT INFORMATION	Colour	White, black and any other upon request.
		<u>Gloss:</u> Semi Gloss
	Generic type	Acrylic emulsion technology.
	Volume solids	~ 35%
	SG	~ 1.200 Kg/l

APPLICATION DETAILS	Mixing	Ready for use. Stir thoroughly prior to use.
	Method	Brush, roller or spray application.
	Application	2 - 3 coats. Depending on surface conditions.
	Thinning	A maximum of 5% water may be added to aid application.
	Substrate	Suitably prepared surfaces.
	Cleaning	Clean up with clean fresh water.

APPLICATION ENVIRONMENT	Surface Temperature	Ambient Temperature	Relative Humidity
	Min: 10 °C	Min: 10 °C	Min: 10%
	Max: 35 °C	Max: 35 °C	Max: 85%
	Or minimum 2 °C above dew point.		

DRYING TIME @ 25°C/ 60% RH

Touch	20 – 40 minutes.
Handle	2 hours.
Recoat	2 – 4 hours.
Full Cure	7 days.

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SURFACE PREPERATION

Surfaces must be clean and sound, remove all dirt, grease, oil, salt and chemical contaminants by washing the surface with commercial detergent or other suitable cleaner.

The performance of this product will depend upon the degree of surface preparation.

Typical Specifications

Surface	Preparation	System	Dry film build
Mild Steel	Degrease, clean & dry to remove dust, oil, grease or other contaminants.	1. DTM 1490 2. DTM 1490	50-60µm 50-60µm
Rusted Steel Surfaces	Abrasive blast AS1627.4 Class 2.5 (maximum profile height – 50 µm) or Power tool clean AS1627.2 St 3	1. DTM 1490 2. DTM 1490 3. DTM 1490	50-60µm 50-60µm 50-60µm
Galvanised Steel, Stainless Steel , Aluminium and zinc alum.	Remove any white corrosion deposits, and degrease in accordance with AS1267.1 Denib with scourer pad if required.	1. DTM 1490 2. DTM 1490	50-60µm 50-60µm
Previously painted surfaces	Previously coated surfaces must be sound and in good condition. Smooth, hard, or glossy finishes should be prepared by sanding to create a surface profile. Degrease in accordance with AS1267.1 It is recommended that a test patch be applied to confirm compatibility before commencing with painting of large surfaces.	1. DTM 1490 2. DTM 1490	50-60µm 50-60µm

Dry Heat Resistance

Continuous: 65°C

Non continuous: 85°C

SPREADING RATE

6.4 m² per litre @ 55µm dry film thickness, assuming no losses.

Note: Practical spreading rates will vary depending on such factors as application method, ambient conditions, surface porosity and roughness.

CLEAN UP

Water.

SAFETY

For complete safety and handling information please refer to Safety Data Sheet.

STORAGE AND PACKING

Shelf Life: 12 months at 25°C - from date of manufacture. Subject to inspection thereafter.

Store in dry conditions out of direct sunlight away from source of heat or ignition. Store at temperature between 5 and 35°C

PACK SIZE

Single pack:

Available in 4lt., 10lt., and 20lt. packs.

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DISCLAIMER:

The recommendations contained herein are given in all good faith and are meant to guide the specifier or the user. They are based on results gained from our tests and experiences and are believed to be reliable. No guarantee is implied by the recommendations contained herein since conditions of use, method of application and cleanliness of the substrate prior to painting are beyond our control.

N.B. Technology may change with time necessitating changes to this Technical Data Sheet (TDS). It is the responsibility of the user to ensure that the latest TDS is being used.

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