

PRODUCT DESCRIPTION The fastest tank lining coating in the industry.

INTENDED USES A marine grade **potable water certified** epoxy tank coating for new builds when used as a single coating which can also be used in ballast tanks, void spaces, cofferdams and wet spaces. For use in maintenance and repair when used with Easy Prime (see Easy Prime Bulletin: 281)

PRODUCT INFORMATION	Part A (Color)	421-Beige						
	Finish/Sheen	Gloss						
	Part B (Curing Agent)	222						
	Volume Solids	100% (Wet mils = Dry mils) (ISO 3233:1998)						
	Mix Ratio	2 volume(s) Part A to 1 volume(s) Part B						
	Film Thickness	New Build: 12 Wet Mil (300 microns wet). Maintenance: 9 Wet Mil (225 microns wet).						
	Theoretical Coverage	3.29 m ² /litre (134 Ft ² /Gall) at 12 Mil, add 20% for overspray loss. 4.37 m ² /litre (178 Ft ² /Gall) at 9 Mil, add 20% for overspray loss.						
	Method of Application	Airless Spray, Brush, Roller						
	Flash Point (Typical)	Part A >100°C; Part B >100°C; Mixed >100°C						
	Drying Information	10°C	15°C	25°C	35°C			
Touch Dry [ISO 9117/3:2010]	24 hrs	12 hrs	8 hrs	5 hrs				
Hard Dry [ISO 9117-1:2009]	36 hrs	24 hrs	18 hrs	8 hrs				
Pot Life	no data	90 mins	60 mins	45 mins				
	Substrate Temperature							
	10°C		15°C		25°C		35°C	
Overcoated By	Min	Max	Min	Max	Min	Max	Min	Max
Easy Flex	36 hrs	10 days	24 hrs	8 days	18 hrs	7 days	10 hrs	5 days

POTABLE WATER IN SERVICE INSTRUCTIONS

Drying Information	10°C	15°C	25°C	35°C
Curing Duration	no data	60 hrs	36 hrs	36 hrs

Once the curing duration is complete, flush fresh water tank once prior to use.

CERTIFICATIONS

All Certification are NSF ANSI Standard 61 unless otherwise noted

- Potable Water - Carriage of Potable Water
- Potable Water - Certification for tanks greater than or equal to 200 gallons
- Potable Water - Certification for pipe diameter greater than or equal to 24"
- Potable Water - Certification for pipe fitting diameter greater than or equal to 2"
- Potable Water - Certification for surface area to volume ratio not to exceed 67.7 cm²/L
- Seawater Ballast Tanks - Maintenance survey (Lloyd's Register)
- Certificate of Design Assessment - Ballast tank repair (American Bureau of Shipping)

SURFACE PREPARATIONS

Simply stated the steel surface must be:

Clean: No staining to white rag when rubbed across steel surface

Dry: No visible moisture on the steel surface

Tight: No loose material when a wire brush is pulled across the surface of the metal

For new build sweep blast entire tank to Sa1.0. For maintenance and repair refer to Easy

Prime surface preparation. A surface profile of 50 - 100 microns is required.

Weld Seams and sharp edges must be stripe coated with Easy Flex

APPLICATION			
MIXING	Material is supplied in a Uni-Pak container. Always mix a complete unit in the proportions supplied. Once the unit has been mixed it must be used within the working pot life specified. (1) Combine entire contents of Curing Agent (Part B) with Base (Part A) and mix thoroughly with power agitator.		
THINNER	Not recommended.		
AIRLESS SPRAY	Recommended Tip Range 0.53-0.58 mm (21-23 thou) Total output fluid pressure at spray tip not less than 211 kg/cm ² (3000 p.s.i.) Mixed material temperatures should be between 30-35°C (86 - 95F) for optimum spraying.		
CONVENTIONAL SPRAY	Application by conventional spray is not recommended.		
BRUSH	Application by brush is recommended for small areas only. Multiple coats may be required to achieve specified film thickness.		
ROLLER	Application by roller is recommended for small areas only. Multiple coats may be required to achieve specified film thickness.		
CLEANER	Methyl Ethyl Ketone (CAS # 78-93-3)		
PERFORMANCE			
	Adhesion Pull Test	ASTM D4541	76.7 KG/cm ² (1,090 psi)
	Elongation	ASTM D2794	3.05 Joules (27-inch pounds)
	Conical Mandrel Bend	ASTM D522	>34%
	Weight Gain (30-day immersion)	ASTM D471	>0.5% Diesel Crude >0.5% Oil
	Heat Resistance Continuous	ASTM D2485	150C (302F)
	90 Day Salt Water Immersion (50C)		No Effect
WORK STOP / CLEANUP	Do not allow material to remain in hoses, gun or spray equipment. Thoroughly flush all equipment with Cleaner. Once units of paint have been mixed they should not be resealed and it is advised that after prolonged stoppages work recommences with freshly mixed material. Clean all equipment immediately after use with cleaner. It is good working practice to periodically flush out spray equipment during the course of the working day. Frequency of cleaning will depend upon amount sprayed, temperature and elapsed time, including any delays. Do not exceed pot life limitations. All surplus materials and empty containers should be disposed of in accordance with appropriate regional regulations/legislation.		
WELDING	In the event welding or flame cutting is performed on metal coated with this product, dust and fumes will be emitted which will require the use of appropriate personal protective equipment and adequate local exhaust ventilation.		
PACKAGING SIZE	10 Liter UniPak Pail (2.64 Gall) Mixed , 30 IBS Gross Weight		
UN SHIPPING	Non-hazardous , non-regulated		
SHELF LIFE	36 Months		
LIMITATIONS	At ambient temperatures below 25°C paint lines must be lagged. In-line heaters should not be used unless absolutely necessary. For maximum performance the curing temperature should be kept below 35°C. Particular care should be taken to avoid exceeding this in localized areas when artificial heating is introduced. The climatic conditions within the tank must be controlled to maintain a maximum relative humidity of 50% at temperatures between 10-15°C, and a maximum relative humidity of 60% at temperatures of 16°C and above. The drying times and overcoating intervals may alter due to various on-site factors such as tank configuration and ventilation rates.		
IMPORTANT NOTE	<i>The information contained in this data sheet is to the best of our knowledge true and accurate; but all recommendations or suggestions are made without guarantee, since the conditions of use are beyond our control. Each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate. We hereby disclaim any warranties or representations, express or implied, by operation of law or otherwise, including, without limitation, any implied warranty of merchantability or fitness for a particular purpose.</i>		