

EasyFlex



MARINE - INDUSTRIAL

FLEXIBLE EPOXY PAINT COATING

- 100% Solids – No VOCs
- OPS compatible
- Color – light grey
- Non-flammable
- Very low odor after mixing
- Forever flexible
- Surface tolerant
- Low temperature cure without additives
- Good chemical resistance
- Long term water resistance
- Excellent abrasion resistance



DRINKING WATER SYSTEM COMPONENTS
ANSI/NSF 61
5N16, 6N21

EasyFlex is designed for use as a multipurpose epoxy or wherever a flexible epoxy may be needed. It is suitable for use in ballast tanks, drinking water, dry cargo, engine rooms, hulls and deck coatings. EasyFlex should be applied over our EasyPrime epoxy.

SURFACE PREPARATION

For new building, most shop primers are acceptable after sweep blasting SA1.0. Always apply Royal's EasyPrime first.

Soluble salts, fat and all other foreign matter shall be removed enhancing long term performance. Sharp edges and rough welds should be broken or smoothed so that EasyFlex will cover 100% of the steel surfaces. For older surfaces hydro-blasting is usually sufficient. See EasyPrime data sheet for further information.

HANDLING:

Do not store in direct sunlight. Mix Part A and Part B for three minutes with slow agitation. The mixture will get noticeably thinner. Apply with a brush, roller or airless sprayer(56:1). Heavier film builds may require multiple coats when brushing or rolling only. Before mixing the paint temperature should be 72°F or 22°C at a minimum

APPLICATIONS CONDITIONS:

Substrate minimum temperature should not be lower than 3°C(38°F). Air temperature should not be lower than 4°C(40°F) and rising. Relative humidity should be lower than 90%.

SAFETY INFORMATION:

Keep Paint containers away from open flames.

Always avoid prolong contact with exposed skin.

In confined spaces always use a full-face shield with an organic cartridge and completely cover all exposed skin.

Refer to safety analysis report by EFEH & Associates, EasyFlex's MSDS and Royal's Safety Recommendations for confined space use.

POTABLE WATER USE ONLY:

Let cure 48 hours @ 20°C (68°F) or above. At lower temperatures let cure 72 hours. Rinse the tanks with fresh water before use.

Physical Data

Finish	Light Grey
Curing Mechanism	Chemical reaction
Volume Solids	100%
VOC	0
WFT	200 - 300 microns (8 - 12 mils)
DFT	200 - 300 microns (8 - 12 mils)
Theoretical Coverage	5.0 – 3.3M ² /liter (200 – 133 sq./U.S. Gal)
Pot Life	@20°C/68°F - 60 minutes @35°C/95°F - 45 minutes
Dry to Touch at 20°C	8 – 10 Hours
Thinning	Do Not Thin
Flash Point Closed Cup	
Part A	>100°C (212°F)
Part B	>100°C (212°F)
Application Method	Brush, roller, airless (US 17-23/Metric 0.432-0.584) And adjust pressure as required. 56:1 minimum required; apply in a cross hatch way ensuring good wetting of the rough steel surfaces if any
Packaging Size	10 liters mixed material
UN Shipping	Non hazardous, non regulated
Shelf Life	36 Months
Recoat Window	@24°C (75°F) – 10 days @35°C (95°F) - 5 days

Performance

Adhesion Pull Test	ASTM-D4541	76.7KG/cm ² (1090 psi)
Reverse Impact	ASTM-D2794	3.05 Joules (27 inch pounds)
Elongation	ASTM-D522	>34%
Exudation of Amine Blush		None
Weight Gain (30 day immersion)		
Diesel		Less than 0.5%
Crude Oil		Less than 0.5%
Heat Resistance Continuous		150°C (302°F)
90 Day Salt Water Immersion @ 50°C		No Effect

CAUTION:

We cannot assume any responsibility for surface preparation and application if not supervised by our authorized inspectors.

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Provisional Tech Data Sheet: EasyFlex –07/09