

# **RAPTOR<sup>®</sup>**

## **TOUGH PROTECTIVE MARINE COATINGS**





The background of the entire page is a photograph of a white speedboat moving across a deep blue body of water. The boat is viewed from a high angle, showing its deck, windshield, and cabin. In the distance, a coastal town with colorful buildings is visible on a hillside. The sky is clear and blue.

# RAPTOR<sup>®</sup>

**RAPTOR is a sub-brand of U-POL, producing products for the marine market for over 75 years. RAPTOR is a high quality polyurethane coating that will stand up to the elements.**

High resistance to abrasion and staining with excellent UV protection, tintable to your own choice of colour using suitable gel coat pigment dispersions, and with the addition of RAPTOR traction an anti-slip finish can be created - and in case you were wondering - it looks awesome too! It's fair to say that when the going gets tough you can rest assured we're with you all the way.



# APPLICATION AREAS

Engine bays



Decks

Gunnels

Freeboard

Canopy

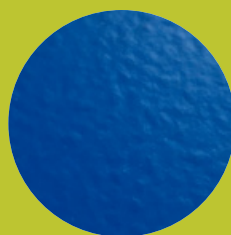


Transom

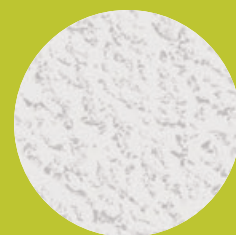
Bilge

Keel

Any areas that need further protection or anti-slip.  
Although RAPTOR is suitable for submergion in water - we recommend an anti-foul coating for any areas below the water line.



SMOOTH FINISH



SLIP-RESISTANT FINISH

BS 7976-2



# RAPTOR HAS BEEN TESTED IN ACCORDANCE WITH THE FOLLOWING TEST METHODS:

## 1. ANTI-SLIP

Accredited BS 7976-2 and ASTM E303-93  
(when used with RAPTOR Traction)

## 2. FLAMMABILITY

FMVSS 302, ISO 3795, BS AU169A

## 3. WATERSOAK

ASTM D870-15 Pass

## 4. SALT SPRAY

ASTM B 117-16  
RAPTOR Anti-Corrosive Epoxy Primer test  
completed at >1000 hours according to ASTM  
protocols (B117) at an independent laboratory

## 5. CHIP RESISTANCE

ASTM D3170/D3170M-14

## 6. IMPACT RESISTANCE

ASTM D2794-93(2010)

## 7. TABER ABRASION RESISTANCE

ASTM D4060-14

## CHEMICAL RESISTANCE

ASTM D1308

Diesel

NaOH

Petrol

Hydraulic Oil

Xylene

Alcohol

Bleach

Horse Urine

10% Hydrochloric Acid

10% Sulphuric Acid

85.5% Phosphoric Acid

## COATING REGULATIONS

Coating regulations differ by country, industry and application. Inclusion of a specific application within this catalogue is meant to demonstrate ability of this product to perform technically in that application, but does not mean that it has regulatory approval for this use in all different legislative regimes (for example having the relevant VOC for that specific use in every market).

If you need specific advice regarding the local legislative frameworks for use of RAPTOR in any given application, please contact your U-POL representative.



# THE RAPTOR MARINE PRODUCT RANGE

**RAPTOR kits** are ideal for any size of application. Suitable to be used with spray guns, roller kits, brush and aerosol applications.

## 4-Bottle Kit

Contains 4 X 0.71L of RAPTOR, 0.95L of hardener and a measuring cup - Typical coverage: 4.2m<sup>2</sup> per litre.

## 1-Bottle Kit

Each kit contains 1 bottle of RAPTOR and 1 tin of hardener - Typical coverage: approximately 3m<sup>2</sup> per litre.



RLW/S4 RLT/S4



RLT/S1

## RAPTOR Aerosols:



RPTEP/AL

### Etch Primer

Phosphoric acid etch formula promotes paint adhesion to difficult substrates, like galvanized steel and aluminium. Ideal for rub throughs in primer prior to application of colour and new bare metal.

- Etch and prime bare metal in one step
- Flat fan high atomisation nozzle offers a large fan pattern and excellent coverage
- Creates an anti-corrosive barrier that prevents steel from rusting when over coated with an appropriate paint finish
- Can be directly topcoated - no sanding required



RPTAP/AL

### Adhesion Promoter:

Promotes paint adhesion to most surfaces including plastics, aluminium, steel, galvanised steel, fibreglass and composites. Improves adhesion in hard to sand areas.

- Excellent adhesion characteristics
- Sprays flat
- Can be topcoated with most water or solvent based paint systems
- Provides a protective barrier against lifting or solvent attack

## RAPTOR Traction:

Slip resistant additive. It can be added directly into RAPTOR Tough and Tintable Protective Coating bottles prior to spraying. RAPTOR TRACTION is packaged in a convenient 200g resealable bag and will fill one bottle of RAPTOR for a typical slip-resistant application.

The use of RAPTOR TRACTION with RAPTOR produces a slip resistant surface as defined by BS 7976-2).



RLTRC/SM

## Rollerkit:



ROLLERPACK

## Associated Products:



SMOOTH 7



FASTGLAS



P40



BPO HARDENERS

# RAPTOR®

RAPTOR IS SUITABLE FOR ALL MARINE APPLICATIONS



## FAQ

RAPTOR  
IN USE

**Q: How can RAPTOR be applied?**

A: RAPTOR can be applied using a spray gun, pad brush or solvent resistant rollers - open cell rollers for a textured finish, closed cell rollers for a smooth finish.

**Q: What area will RAPTOR cover?**

A: One RAPTOR 4 Bottle Kit will cover approximately 12 sq metres at recommended film build (3 sq metres / litre).

- Rolled with a smooth roller- 7.4m<sup>2</sup>/litre – 55 micron DFT
- Rolled with a textured roller- 5.7m<sup>2</sup>/litre- 75 micron DFT
- Applied with a 2.0m HVLP Gun- 7.4m<sup>2</sup>/litre- 55 micron DFT
- Applied with a Shutz Gun – 3m<sup>2</sup>/litre- 150 micron DFT

For maximum durability we recommend 1 medium and one light (texture coat) via a shutz gun which delivers a peak dry film build of 330 micron DFT.

Lower film build will reduce durability.

For roller application we currently suggest 2-3 coats as this should deliver adequate durability.

**Q: Is RAPTOR completely watertight?**

A: RAPTOR is a water tight coating once fully cured and can be used for many marine applications. Let RAPTOR cure completely for approximately 72 hours before immersing in water.

RAPTOR is suitable for rectifying a multitude of problems, like crazing, pitting and scratches. Sand the crazed gel coat with P100-P120 grit abrasive before applying RAPTOR. First, repair the damaged gel coat with FIBRAL (FIB/2) or SMC bonding filler (SMCB/2 - black or SMCW/2 - white).

**Q: How long do I need to wait before RAPTOR is exposed to rain or water?**

A: Do not allow RAPTOR to come in contact with water for at least 72 hours.



Please visit [www.raptorcoatings.com](http://www.raptorcoatings.com) for more FAQs.



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RAPTOR  
KING OF  
TOUGH