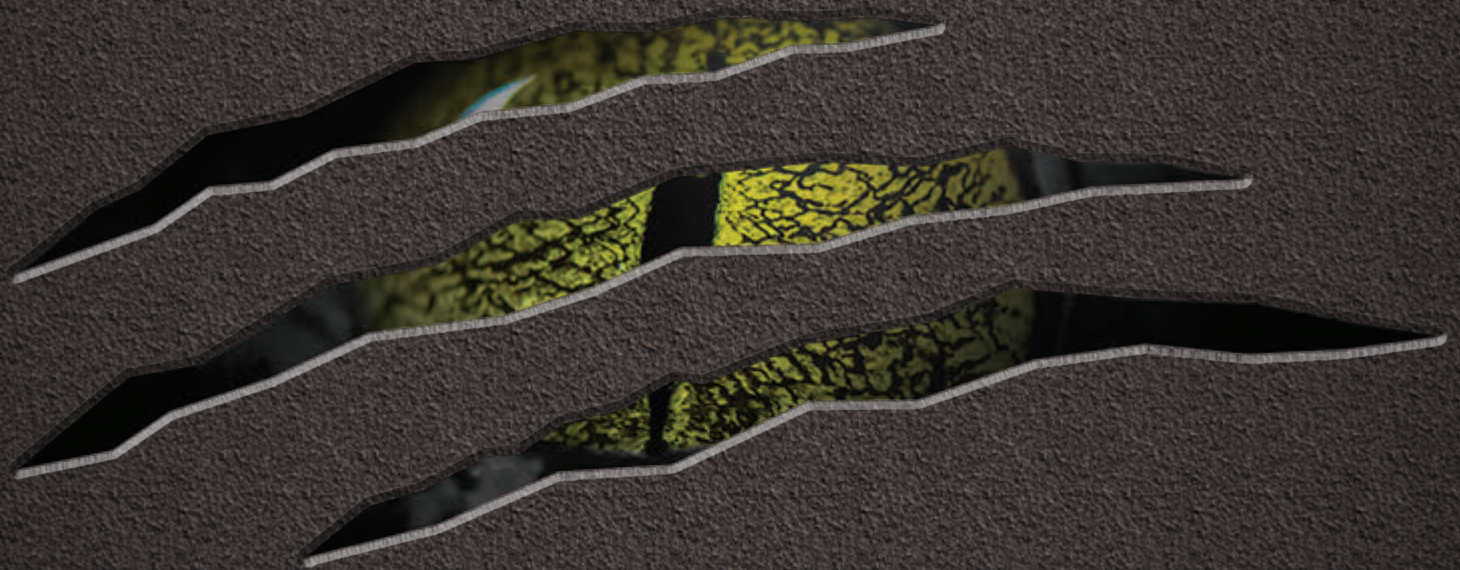


# RAPTOR<sup>®</sup>

**TOUGH AND TINTABLE**  
PROTECTIVE COATING



[www.raptorcoatings.com.au](http://www.raptorcoatings.com.au)



DRIVING SURFACE PERFECTION™



# SURFACE PROTECTION

## that stands up to the elements

**RAPTOR** Protective Coating provides surfaces with a barrier that can withstand the toughest situations.

Developed to tolerate most climatic conditions, **RAPTOR** is U.V. resistant and won't fade or "chalk" even after years in the sun.

**RAPTOR** is also water resistant and protects surfaces from rust.

**RAPTOR's** versatility makes it ideal for almost any application. Spray or roll **RAPTOR** on high traffic areas; it is durable, stain resistant and easy to clean. Its flexible formulation can handle impacts without cracking, making it perfect for its most popular application as a truck bed liner.

**RAPTOR** is unlike other protective coatings. It provides more value and is faster than powder coating. In case it does scratch (which is tough to do!), **RAPTOR** can easily be repaired. You can't do that with most of the other bed liners and protective coatings!

**RAPTOR** protects the roughest industrial surfaces as well as the smaller surfaces we rely on every day. It looks great and it lasts a long time.

When you need a surface protection solution that can stand up to the elements, choose **RAPTOR**...

## About U-POL

**U-POL** is a world leader in automotive refinishing products specialising in fillers, coatings, aerosols, adhesives and paint related products.

Recognised globally with sales in over 100 countries, **U-POL** is committed to consistently providing customers with high quality products that professional technicians demand. Our heritage and experience of nearly 70 years in the industry, coupled with our continued investment in state-of-the-art manufacturing facilities and reputation for innovation, ensures that your **U-POL** experience is nothing less than world class.

**U-POL** has a comprehensive range of fillers and coatings and we are uniquely positioned to deliver solutions developed, tested and approved for the modern bodyshop. We know your reputation matters and that is why **U-POL** is investing in future innovation, to help your team get it right first time, every time.



## The reasons to choose **RAPTOR**

### 1. CUSTOMISABLE

**RAPTOR** is available in black and tintable versions. The tintable version can be altered to suit the colour of your choice by adding up to 100ml of automotive solvent tint.

**RAPTOR** can be applied as a flat finish through to a very coarse finish.

### 2. DURABLE

Provides a tough mechanical damage and stain resistant surface. Protects against rust, corrosion and extreme temperatures.

Resistant against fuels, hydraulic oils, urine, salt water and more.

### 3. U.V. RESISTANT

Stops colour fading.

### 4. WATER RESISTANT

Provides a water tight seal, keeping moisture out and reducing the chance of rust.

### 5. QUICK & EASY TO USE

Can be applied with excellent adhesion across many substrates with either **RAPTOR** standard or professional vari-nozzle application guns, roller or brush. Easy to clean.

### 6. ANTI-CORROSIVE EPOXY PRIMER

Specifically designed to be used under **RAPTOR** Protective Coating for optimum performance.

### 7. SLIP RESISTANT ADDITIVE

The use of **RAPTOR** Traction with **RAPTOR** produces a slip resistant surface as defined by BS 7976-2 and ASTM E303-93.

## 3 Easy to use in simple steps



FILL



SHAKE



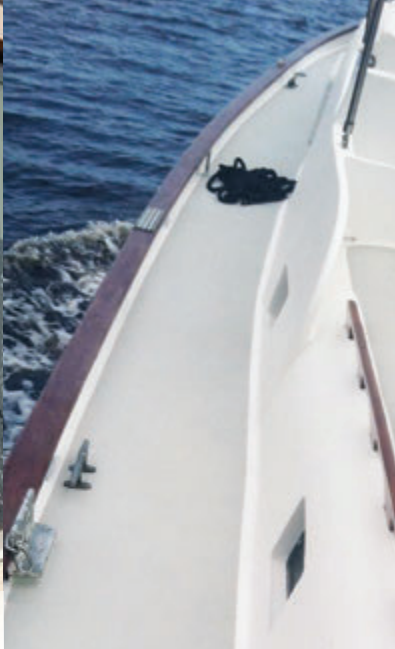
SHOOT





## RAPTOR - TOUGH AND TINTABLE PROTECTIVE COATING

It is durable, resistant to mechanical damage, fuels, hydraulic oils, urine, salt water and more. Many applications are possible. We have compiled some of them by types of applications.



### AUTOMOTIVE

1. Bed Liner
2. Automotive Undercoating
3. Total Body Protection
4. Running Boards
5. Body Panels
6. Trunk Interior
7. SUV Floors
8. Roll Bars
9. Wheel Arches
10. Chassis and Accessories

### HOME

11. Porches
12. Garage Floors
13. Steps
14. Walkways
15. Paths
16. Wood Decks
17. Patios
18. Ladder Steps
19. Wheelbarrows
20. Wagons
21. Basement Walls
22. Basement Floors
23. Tool Boxes
24. Gates
25. Pool Decks

### MARINE

26. Boat Decks
27. Boat Hulls
28. Docks
29. Cabin Floors
30. Inboard Boat
31. Engine Parts
32. Ramps
33. Boardwalks
34. Oar Tips
35. Aluminium Boats
36. Bay Boats
37. Kayaks
38. Sailboats

### RECREATIONAL

39. Camper Shells
40. Jet Ski Decks
41. Snowmobile Decks
42. Motor Home Roofs
43. Hockey Sticks
44. RV Interior Trailers
45. Utility Trailers
46. ATV Trailers
47. Boat Trailers
48. Recreational Trailers
49. Snowmobile Trailers
50. Tow Trailers
51. Semi Trailers
52. Fifth Wheel Hitches
53. Animal Trailers
54. Trailer Hitches
55. Park Benches
56. Skate Parks

### INDUSTRIAL

57. Containment Areas
58. Cement Truck Hoppers
59. Loading Ramps
60. Loading Docks
61. Skips
62. Equipment Handles
63. Asphalt Coverings
64. Heavy Duty Equipment Buckets
65. Machinery Casings
66. Tanker Trucks
67. Cold Storage Areas
68. Cinder Block Walls
69. Spreaders
70. Storage Tanks Exterior
71. Sewage Treatment
72. Tanks Exterior
73. Thickener Tanks
74. Mining Equipment
75. Steel Beams
76. Pipelines Exterior
77. Propane Tanks
78. Stairwells
79. Hand Rails

### AGRICULTURAL

80. Tractor Bed
81. Horse Trailer
82. Silos
83. Fertilizer Equipment
84. Farm Equipment
85. Ploughs

### COMMERCIAL

86. Wheelchair Ramps
87. Work Benches
88. Work Floors
89. Railings
90. Air Conditioning Casings
91. Car Washes
92. Van Interior
93. Trailer Interior
94. Lift Gates
95. Cargo Holds
96. Aircraft Hanger
97. Cargo Van Interior
98. Curb Ramps
99. Rail Boxcar Floors
100. Tanker Cars
101. Hopper Cars
102. Recycle Bins
103. Trash Receptacles
104. Institutional Shower Floors
105. Subwoofer Enclosures
106. Fork Lift Shells





# RAPTOR Products



## 1L RAPTOR KIT

The 1L **RAPTOR** kit is ideal for smaller applications and touch-ups. Compatible with **RAPTOR** standard and professional vari-nozzle application guns. Each kit contains 750ml of **RAPTOR** and 250ml of hardener in an eye-catching retail packaging.

- The 1L **RAPTOR** kit covers approximately 3m<sup>2</sup>
- Best results achieved with both **RAPTOR** standard and professional vari-nozzle application guns

Part Number	Description	Colour	Units Per Case
RLB/S1	1L Kit	Black	6
RLT/S1	1L Kit	Tintable	6

## 4L RAPTOR KIT

The 4L **RAPTOR** kit is the industry standard in bed liner coating. Each kit contains four 750ml bottles of **RAPTOR** and a 1L tin of hardener.

- The kit covers approximately 12m<sup>2</sup>, enough to do a full size pick-up truck bed
- Best results achieved with both **RAPTOR** standard and professional vari-nozzle application guns

Part Number	Description	Colour	Units Per Case
RLB/S4	4L Kit	Black	1
RLT/S4	4L Kit	Tintable	1

## 5L RAPTOR

The 5L **RAPTOR** tins are ideal for large areas such as trailers, floors, heavy equipment and full oversprays.

- Mix 3:1 (15L of **RAPTOR** to 5L of hardener) to make more than 20L of **RAPTOR** and covers approximately 60m<sup>2</sup>
- This can be brush applied, rolled or sprayed through pneumatic or conventional spray equipment

Part Number	Description	Colour	Units Per Case
RLB/5	5L Tin	Black	2
RLT/5	5L Tin	Tintable	2
RLH/5	5L Tin	Hardener	2

For a complete line of auto collision repair products, visit: [www.u-pol.com.au](http://www.u-pol.com.au)



## 200L RAPTOR DRUMS

The 200L **RAPTOR** drum will provide you with the coverage and protection you need for large and OEM applications.

Part Number	Description	Colour	Units Per Case
OWNRLBV/200	200L Drum	Black	1
OWNRLTV/200	200L Drum	Tintable	1

## RAPTOR ANTI-CORROSIVE EPOXY PRIMER

The **RAPTOR** Anti-Corrosive Epoxy Primer is a 2K high performance primer, specifically designed to be used under **RAPTOR** protective coating.

It contains a blend of anti-corrosive additives to help inhibit rust and corrosion and has excellent salt spray resistance\*. **RAPTOR** Anti-Corrosive Epoxy Primer's advanced resin technology improves adhesion to bare metal and most other prepared surfaces, and promotes intercoat performance to further extend the life of **RAPTOR** protective coating.

- Can also be applied directly on to surface rust\*\*
- Can be applied wet on wet
- The **RAPTOR** Anti-Corrosive Epoxy Primer covers approximately 5.88m<sup>2</sup> @ 75µ DFT per litre

Part Number	Description	Colour	Units Per Case
REP/1LK	1L Kit	Grey	8
REP/5LK	5L Kit	Grey	1

\*Test completed at >1000 hours according to ASTM protocols (B117) at an independent laboratory

\*\*Metal should be prepared in accordance with the TDS

**NEW!**



## RAPTOR ACCESSORIES

**U-POL** offers a complete line of accessory products to prepare, apply and upgrade your **RAPTOR** application.

Part Number	Description	Units Per Case
GUN/VN	Professional Vari-Nozzle Application Gun	6
GUN/1	Standard Application Gun	5
RLTR/SM	Slip Resistant Additive Traction 200g Box	20
ACID/AL	Acid Etch Primer 450ml Aerosol	6
GRIP/AL	Universal Adhesion Promoter 450ml Aerosol	6





# RAPTOR Certifications & Test Results

RAPTOR currently 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 D3359-09E2

**6. IMPACT RESISTANCE**

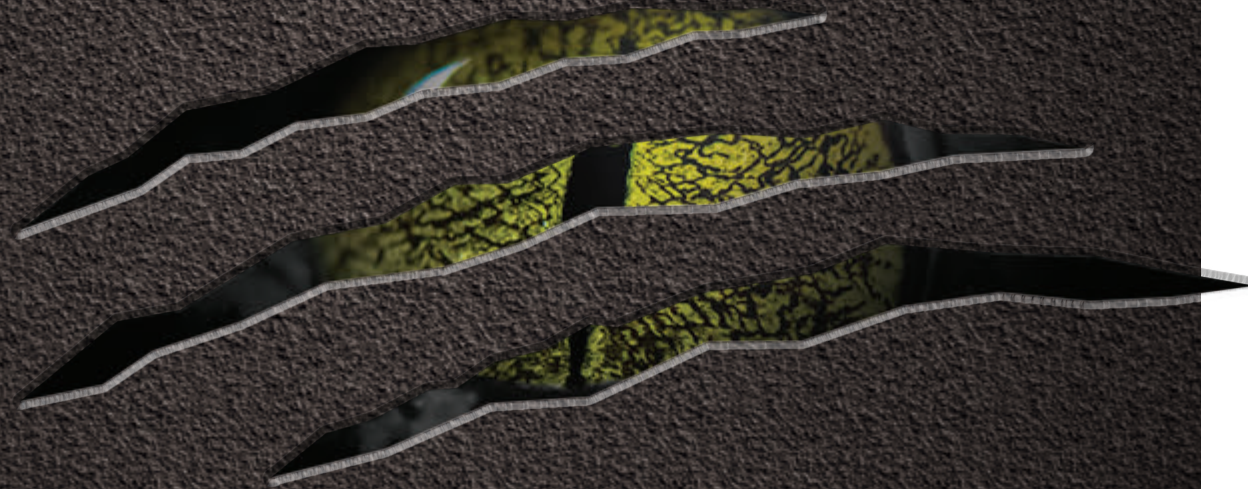
ASTM D2794-93(2010)

**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.



# RAPTOR Specification

<b>MIX RATIO</b>	3:1
<b>TINTABLE MIX</b>	By Weight: 1000g= 777g coating + 223g hardener + 50g colour By Volume: 5-10% of 2K solvent based toners
<b>THINNER</b>	Not required. Up to 20% standard thinner optional
<b>VOC</b>	See Technical Datasheet.
<b>COMPATIBILITY</b>	Properly prepared steel, aluminium, wood, paint, epoxy primer, plastic, E-Coat, glass, vinyl, polyesters, GRP, SMC, PPO, fibreglass, SMC, concrete and ceramics.
<b>PREPARATION</b>	Remove all loose material and any rust from the surface to be coated. Clean and degrease the surface. Abrade the surface with P80-P180 grit sand paper. Re-clean the surface.
<b>RAPTOR APPLICATION GUNS</b>	40-60 PSI, 5-8 CFM. No reduction required. We recommend using <b>U-POL</b> application guns (GUN/1 or GUN/VN)
<b>AIR PRESSURE</b>	2.75 - 4.1 bar
<b>COATS</b>	2 to 3 coats maximum. Coat: 230µ ; 2 Coats: 475µ
<b>FLASH OFF TIME</b>	60 minutes rollable or RAPTOR Application Gun, 35 minutes HVLP
<b>CURE TIMES</b>	1 hour touch, 48 to 72 hours in light duty service, depending on coating thickness
<b>POT LIFE</b>	60 minutes @ 20°C
<b>COVERAGE</b>	1L covers approximately 3m <sup>2</sup> . One 4L Kit will cover an average 8' truck bed. Two 4L kits will coat an average 4x4 body.
<b>RESISTANT TO</b>	Solvents, xylene, bleach, phosphoric acid, hydrochloric acid, hydraulic fluid, brake fluid, Skydrol™, gasoline, diesel fuel, alcohol, salt water, animal urine
<b>IMPACT RESISTANCE</b>	93 inch pounds (10.5 Joules) at 23C ASTM D2794-93
<b>TEMPERATURE RESISTANCE</b>	100°C
<b>WATER SOAK</b>	ASTM D870-15 Pass
<b>SALT SPRAY</b>	No defects 400 hours
<b>FLAMMABILITY</b>	ISO 3795, FMVSS 302, BS AU169A
<b>QUV</b>	RLB 60° Gloss: Initial 10.7, after 5000 hours 10.2
<b>OTHER CERTIFICATIONS</b>	Skydrol™ ASTM D1308, Traction BS 7976-2



# RAPTOR Application & Procedure Guide

**RAPTOR is a textured coating suitable for use over the following properly prepared substrates:**

OEM paint, primed metal, primed aluminium, primed galvanized, fibreglass, SMC, wood, concrete and powder coat.

**Process tools required:** RAPTOR product, safety glasses, respirator, P80-P180 grit sandpaper, red scuff pads, U-POL application gun or professional vari-nozzle application gun (GUN/1 or GUN/VN) or roller brush.



## CLEAN SUBSTRATE

Remove all loose material. Clean and degrease surface. We recommend using U-POL SYSTEM 20 degreasers (S2001/5 or S2002/5).

## SAND SUBSTRATE

Sand surface with P80-P180 grit paper, use red scuff pad for difficult to sand areas. Re-clean the surface. RAPTOR can be directly applied over painted surfaces that have been cleaned and sanded.

## PRIME SURFACE

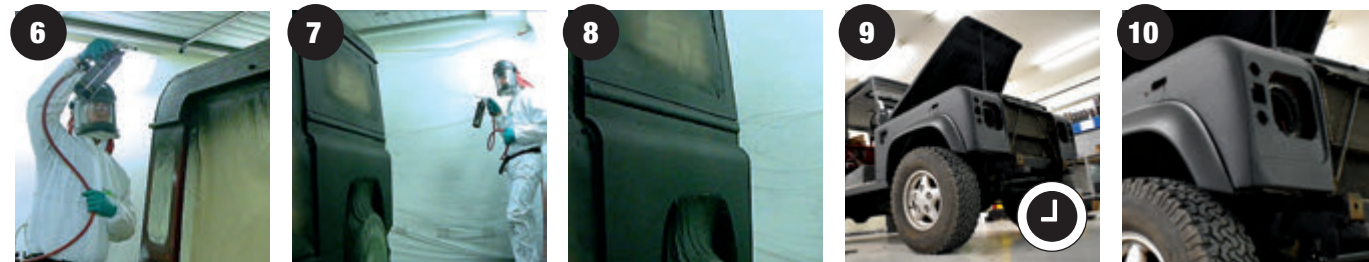
Spot prime any areas where bare metal has been exposed. Bare metal, aluminum or galvanized surfaces must be primed with an etch primer like ACID#8 (ACID/AL), or RAPTOR Anti-Corrosive Epoxy Primer for optimum performance. Use GRIP#4 (GRIP/AL) in hard to reach areas.

## MIX RAPTOR

RAPTOR has a 3:1 mix ratio. Pour 250ml of the RAPTOR hardener into the pre-filled bottle of 750ml of RAPTOR coating or combine them at a 3 parts RAPTOR to 1 part hardener ratio in a separate container. For tinting, please consult the technical datasheet.

## SHAKE

Shake bottle or stir (if mixing in separate container) for 2 minutes to thoroughly mix the product.



## SHOOT

Attach application gun to bottle. Adjust supplied air pressure to 2.75-4.1 bar depending on desired texture. At a distance of 45-150cm, apply to the prepared surface in a sweeping motion to obtain desired texture. Pot life: approximately 60 minutes.

We recommend using U-POL application guns (GUN/1 or GUN/VN).

## ADDITIONAL COATS

2 or 3 light coats are better than one heavy coat. If applying more than one coat, allow RAPTOR to flash 60 minutes between coats. If more than 5 hours between coats, allow it to set overnight, lightly scuff and apply additional coat(s).

## TOP COATING

RAPTOR can be overpainted with most modern paint systems. Allow RAPTOR to dry for 24 hours, scuff with fine scuff pad, clean, apply top coat or clearcoat if desired. We recommend using SYSTEM 20 clearcoats (such as S2081SR).

## DRYING TIMES

Dry to touch: 1 hour.  
Light duty use: 2-3 days.  
Heavy duty use: 7 days.

## EQUIPMENT CLEAN UP

Clean gun, equipment and over spray with lacquer thinner or acetone before RAPTOR is fully cured.

# RAPTOR Professional Vari-Nozzle Application Gun

**Delivering a professional, consistent finish with the ability to customise your texture**

- Adjustable spray nozzle gives flexibility in your final texture and finish
- Locking nozzle for consistency and repeatability
- Lightweight and easy to use
- Compatible with RAPTOR and U-POL Gravitex bottles



# RAPTOR Texture Application

Flat Finish	Standard Coarse Finish	Really Coarse Finish	Slip-Resistant Finish
<p><b>First coat:</b> Mix RAPTOR and allow to stand for 10 minutes 3:1+15%, HVLP 1.7, 2 Bar pressure at gun and applied as a primer left to flash for 30 minutes</p> <p><b>Second coat:</b> 3:1+15%, HVLP 1.7, 2 Bar pressure at gun and applied as a primer</p>	<p><b>Standard texture through Application Gun (GUN/1 &amp; GUN/VN):</b> Mix RAPTOR and allow to stand for 10 minutes 4 Bar (60 PSI)</p> <p>Distance from object 50cm</p> <p>2 coats with an even sweeping motion</p>	<p><b>Coarse texture through Application Gun (GUN/1 &amp; GUN/VN):</b> Mix RAPTOR and allow to stand for 10 minutes 3 Bar</p> <p>Distance from object 50cm</p> <p>2 coats: 1 even sweeping motion, second dropping the coat over the first</p>	<p><b>Coarse texture through Application Gun (GUN/1 &amp; GUN/VN):</b> Mix RAPTOR and allow to stand for 10-minutes 3 Bar</p> <p>Distance from object 50cm</p> <p>2 coats - 1 even sweeping motion, second dropping the coat over the first</p> <p>Add a RAPTOR Traction box on the last coat</p>





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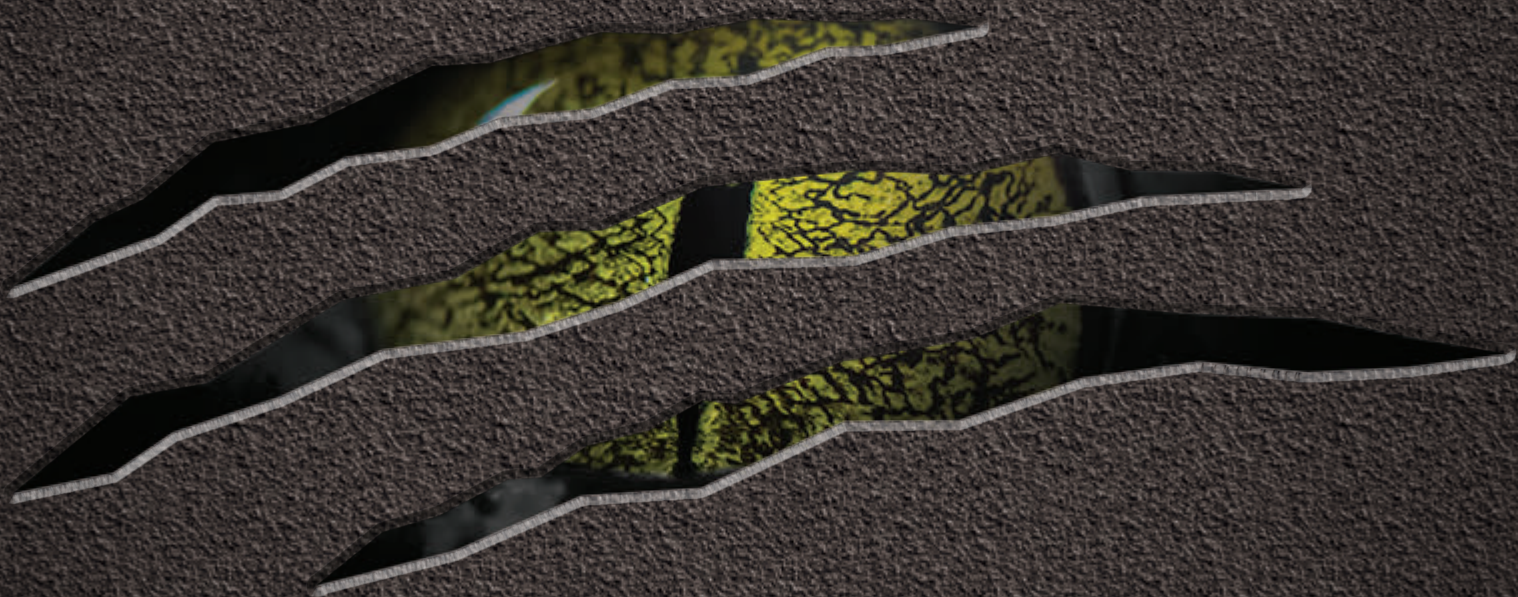
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