



# ZYGLO® Fluorescent Penetrants

You can rely on our ZYGLO® fluorescent liquid penetrants to detect surface defects in virtually any non-porous material. Made from high-quality fluorescing dyes and solvents, they have outstanding penetrating characteristics and will give superior indications of the smallest crack or flaw.

## BENEFITS

- Five sensitivity levels - ultra-low to ultra-high.
- Resistant to over-washing
- Water-washable and post-emulsifiable options
- Available in aerosol or bulk liquid form
- Consistent high performance
- The industry standard
- Universal approvals

## APPLICATIONS

Our fluorescent penetrants are safe to use on most engineering and aerospace alloys, including aluminium, steel, nickel and titanium. You can use them in a broad range of industrial applications; here are a few examples:

### Aerospace industry:

- Engine components
- Landing gear
- Wheels
- Wing spars
- Brakes
- Springs

### Automotive components:

- Brakes
- Steering components
- Connecting rods
- Wheels
- Engine mounts
- Pistons
- Cylinder blocks

Other examples:

- Foundry castings and forgings
- Critical military components
- Rail components
- Offshore oil and gas
- Weld inspections
- Pipelines

## EQUIPMENT

Our penetrants are backed up by an extensive range of NDT-certified equipment and accessories to support your most demanding inspection needs.






Our modular ZA systems offer full flexibility, allowing compliance with all NDT specifications and requirements.

To find out more, visit [eu.magnaflux.com](http://eu.magnaflux.com).












# Water-washable Penetrants

Penetrant	Sensitivity level	AMS	Method	Specification compliance	Product availability and part numbers		
ZYGLO ZL-15B	½ (Ultra-low)	Type I	A/C	<ul style="list-style-type: none"> <li>AMS2644</li> <li>ASME B &amp; PV Code, Sec V</li> <li>ASTM E165/E165M</li> <li>ASTM E1417/E1417M</li> <li>MIL-STD-2132D</li> <li>MIL-STD-271F</li> </ul>	 <b>25 L</b> 56C061	 <b>200 L</b> 056C052	
ZYGLO ZL-19	1 (Low)	Type I	A/C	<ul style="list-style-type: none"> <li>AMS2644</li> <li>ASME B &amp; PV Code, Sec V</li> <li>ASTM E165/E165M</li> <li>ASTM E1417/E1417M</li> <li>EN ISO 3452-2</li> <li>MIL-STD-2132D</li> <li>MIL-STD-271F</li> <li>Pratt &amp; Whitney PMC 4350-2</li> </ul>	 <b>25 L</b> 056C185	 <b>200 L</b> 056C186	
ZYGLO ZL-60C	2 (Medium)	Type I	A/C	<ul style="list-style-type: none"> <li>AMS2644</li> <li>ASME B &amp; PV Code, Sec V</li> <li>ASTM E165/E165M</li> <li>ASTM E1417/E1417M</li> <li>EN ISO 3452-2</li> <li>MIL-STD-2132D</li> <li>MIL-STD-271F</li> <li>Pratt &amp; Whitney PMC 4351-8</li> <li>Rolls Royce RRP 58003 (CSS 232)</li> <li>SAFRAN Pr 5000/In 5000</li> </ul>	 <b>400 ml</b> 008A008 (x 10)	 <b>25 L</b> 056C205	 <b>200 L</b> 056C206
ZYGLO ZL-60D	2 (Medium)	Type I	A/C	<ul style="list-style-type: none"> <li>AMS2644</li> <li>ASME B &amp; PV Code, Sec V</li> <li>ASTM E165/E165M</li> <li>ASTM E1417/E1417M</li> <li>MIL-STD-2132D</li> <li>MIL-STD-271F</li> <li>Pratt &amp; Whitney PMC 4351-2</li> <li>Rolls Royce RRP 58003 (CSS 232)</li> <li>SAFRAN Pr 5000/In 5000</li> </ul>	 <b>25 L</b> 056C010	 <b>200 L</b> 056C011	
ZYGLO ZL-67B	3 (High)	Type I	A/C	<ul style="list-style-type: none"> <li>AMS2644</li> <li>ASME B &amp; PV Code, Sec V</li> <li>ASTM E165/E165M</li> <li>ASTM E1417/E1417M</li> <li>EN ISO 3452-2</li> <li>MIL-STD-2132D</li> <li>MIL-STD-271F</li> <li>Pratt &amp; Whitney PMC 4360-10</li> <li>Rolls Royce RRP 58003 (CSS 232)</li> </ul>	 <b>25 L</b> 056C034	 <b>200 L</b> 056C035	
ZYGLO ZL-56	4 (Ultra-high)	Type I	A/C	<ul style="list-style-type: none"> <li>AMS2644</li> <li>ASME B &amp; PV Code, Sec V</li> <li>ASTM E165/E165M</li> <li>ASTM E1417/E1417M</li> <li>MIL-STD-2132D</li> <li>MIL-STD-271F</li> <li>Rolls Royce RRP 58003 (CSS 232)</li> </ul>	 <b>25 L</b> 056C201	 <b>200 L</b> 056C202	









# Post-emulsifiable Penetrants

Penetrant	Sensitivity level	AMS	Method	Specification compliance	Product availability and part numbers
ZYGLO ZL-2C	2 (Medium)	Type I	B/C/D	<ul style="list-style-type: none"> <li>AMS2644</li> <li>ASME B &amp; PV Code, Sec V</li> <li>ASTM E165/E165M</li> <li>ASTM E1417/E1417M</li> <li>MIL-STD-2132D</li> <li>MIL-STD-271F</li> <li>Pratt &amp; Whitney PMC 4352-2</li> <li>Rolls Royce RRP 58003 (CSS 232)</li> <li>SAFRAN Pr 5000/In 5000</li> </ul>	 25 L 056C079  200 L 056C080
ZYGLO ZL-27A	3 (High)	Type I	B/C/D	<ul style="list-style-type: none"> <li>AMS2644</li> <li>ASME B &amp; PV Code, Sec V</li> <li>ASTM E165/E165M</li> <li>ASTM E1417/E1417M</li> <li>EN ISO 3452-2</li> <li>MIL-STD-2132D</li> <li>MIL-STD-271F</li> <li>Pratt &amp; Whitney PMC 4353-2</li> <li>Rolls Royce RRP 58003 (CSS 232)</li> <li>SAFRAN Pr 5000/In 5000</li> </ul>	 400 ml 008A002 (x 10)  25 L 066C017  200 L 066C016
ZYGLO ZL-37	4 (Ultra-high)	Type I	B/C/D	<ul style="list-style-type: none"> <li>AMS2644</li> <li>ASME B &amp; PV Code, Sec V</li> <li>ASTM E165/E165M</li> <li>ASTM E1417/E1417M</li> <li>MIL-STD-2132D</li> <li>MIL-STD-271F</li> <li>Pratt &amp; Whitney PMC 4354-2</li> <li>Rolls Royce RRP 58003 (CSS 232)</li> <li>SAFRAN Pr 5000/In 5000</li> </ul>	 25 L 066C020  200 L 066C019

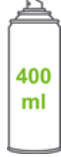






# EMULSIFIERS AND REMOVERS

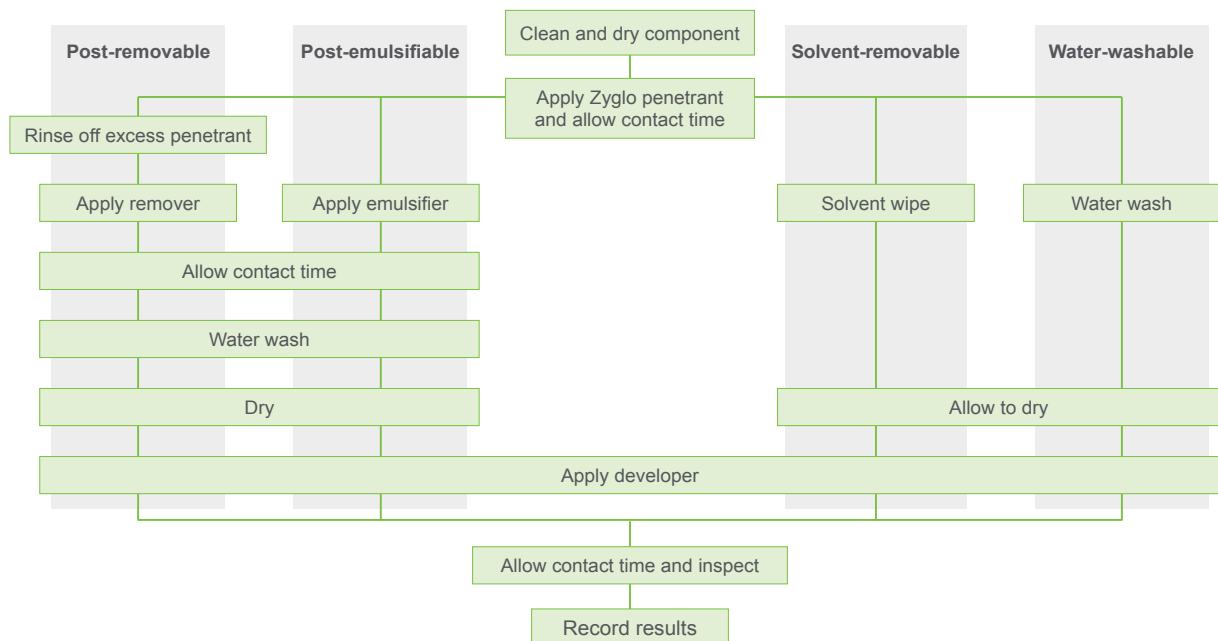


Product	Specification compliance	Product availability
<b>SPOTCHECK® SKC-S</b> Solvent cleaner/remover	<ul style="list-style-type: none"> <li>AMS2644F</li> <li>ASME B &amp; PV Code, Sec V</li> <li>ASTM E165/E165M</li> <li>ASTM E1417/E1417M</li> <li>EN ISO 3452-1</li> <li>EN ISO 3452-2</li> <li>MIL-STD-2132D</li> <li>MIL-STD-271F</li> </ul>	 400 ml 008A100 (x 10)  5 L 054C007 (x 4)  25 L 054C008
<b>ZYGLO ZE-4B</b> Lipophilic emulsifier	<ul style="list-style-type: none"> <li>AMS2644F</li> <li>ASME B &amp; PV Code, Sec V</li> <li>ASTM E165/E165M</li> <li>ASTM E1417/E1417M</li> <li>MIL-STD-2132D</li> <li>MIL-STD-271F</li> </ul>	 25 L 065C025
<b>ZYGLO ZR-10C</b> Hydrophilic remover	<ul style="list-style-type: none"> <li>AMS2644F</li> <li>ASME B &amp; PV Code, Sec V</li> <li>ASTM E165/E165M</li> <li>ASTM E1417/E1417M</li> <li>EN ISO 3452-2</li> <li>MIL-STD-2132D</li> <li>MIL-STD-271F</li> <li>Pratt &amp; Whitney PMC 4355-11</li> <li>Rolls Royce RRP 58003 (CSS 232)</li> <li>SAFRAN Pr 5000/In 5000</li> </ul>	 25 L 065C002  200 L 065C003



## DEVELOPERS

Developer	Description	Specification compliance	Product availability and part numbers
SPOTCHECK SKD-S2	Non-aqueous. Spray application only.	<ul style="list-style-type: none"> <li>AMS2644</li> <li>ASME B &amp; PV Code, Sec V</li> <li>ASTM E165/E165M</li> <li>ASTM E1417/E1417M</li> <li>EN ISO 3452-1</li> <li>EN ISO 3452-2</li> <li>MIL-STD-2132D</li> <li>MIL-STD-271F</li> <li>SAFRAN Pr 5000/In 5000</li> </ul>	 400 ml 008A007 (x 10)  5 L 055C014 (x 4)
ZYGLO ZP-4B	Dry powder. Ideal for powderstorm.	<ul style="list-style-type: none"> <li>AMS2644</li> <li>ASME B &amp; PV Code, Sec V</li> <li>ASTM E165/E165M</li> <li>ASTM E1417/E1417M</li> <li>MIL-STD-2132D</li> <li>MIL-STD-271F</li> <li>Pratt &amp; Whitney PMC 4356-4</li> <li>Rolls Royce RRP 58003 (CSS 232)</li> <li>SAFRAN Pr 5000/In 5000</li> </ul>	 1 Kg 055C022  5 Kg 055C023
ZYGLO ZP-5B	Water-suspendible powder concentrate. Mix with water.	<ul style="list-style-type: none"> <li>AMS2644</li> <li>ASME B &amp; PV Code, Sec V</li> <li>ASTM E165/E165M</li> <li>ASTM E1417/E1417M</li> <li>MIL-STD-2132D</li> <li>MIL-STD-271F</li> </ul>	 5 Kg 055C002
ZYGLO ZP-9F	Solvent-based.	<ul style="list-style-type: none"> <li>AMS2644</li> <li>ASME B &amp; PV Code, Sec V</li> <li>ASTM E165/E165M</li> <li>ASTM E1417/E1417M</li> <li>MIL-STD-2132D</li> <li>MIL-STD-271F</li> <li>Pratt &amp; Whitney PMC 4357-2</li> <li>Propan-2-ol content=10.8%</li> <li>Rolls Royce RRP 58003 (CSS 232)</li> <li>SAFRAN Pr 5000/In 5000</li> </ul>	 400 ml 008A010 (x 10)
ZYGLO ZP-14A	Water-soluble.	<ul style="list-style-type: none"> <li>AMS2644</li> <li>ASME B &amp; PV Code, Sec V</li> <li>ASTM E165/E165M</li> <li>ASTM E1417/E1417M</li> <li>MIL-STD-2132D</li> <li>MIL-STD-271F</li> </ul>	 5 Kg 055C010



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