

- Fluoresces with 365nm UV(A) light
- Post removable and water washable
- Hydrophilic and Lipophilic emulsifiers

## POST REMOVABLE PENETRANT SYSTEMS

# ZYGLO® FLUORESCENT PENETRANT TESTING

Fluorescent penetrant testing is the most versatile NDT process for the detection of defects open to the surface in no-porous materials



**Zygro®** is synonymous with the testing of critical components, in the aerospace, automotive and ceramic industries.

Defects open to the surface are highly visible when **Zygro®** is used and viewed under UV (A) light.

A wide range of sensitivities are available in both water washable and post removable along with emulsifiers/removers and dry powders, water soluble, water suspendable and solvent developers to suit all critical applications.

### “Penecert”

#### Penetrant Testing Service.

To obtain the maximum benefit from any penetrant inspection system, it is essential to ascertain that the quality of the penetrant materials used in the system have not deteriorated during use. That is why so many penetrant testing specifications require the regular testing of materials for certification.

For further information about the Penecert service please contact the Sales Department.

**Zygro®** is manufactured by **Magnaflux®** Division of I.T.W.Ltd.

## POST REMOVABLE ZYGLO®

<b>ZL2C</b>		
Normal sensitivity high performance post-removable penetrant Suitable for critical / non-critical inspection. Approved to AMS2644 Level 2 and PWA.	Flash Point (PMCC)	93°C min.
	Viscosity at 38°C	6.5cs
	Specific Gravity	0.90
<b>ZL27A</b>		
High sensitivity high performance post-removable penetrant ideal For a wide range of critical / non-critical applications. Approved to AMS2644 Level 3 and PWA.	Flash Point (PMCC)	93°C min.
	Viscosity at 38°C	10.5cs
	Specific Gravity	0.96
<b>ZL37</b>		
Ultra-sensitive high performance post-Removable Penetrant. Approved to AMS2644 Level 4 and PWA.	Flash Point (PMCC)	93°C min.
	Viscosity at 38°C	14cs
	Specific Gravity	0.96

## ZYGLO® EMULSIFIERS AND REMOVERS

<b>SKC- S</b>		
A volatile petroleum distillate-based solvent for removal of surface Excess penetrant in a solvent wipe method. Can also be used to Remove organic contaminates prior to penetrant testing Approved to AMS2644 Class 2.	Flash Point (PMCC)	7°C
	Viscosity at 38°C	1.0cs
	Specific Gravity	0.72
<b>ZE 4B</b>		
A viscous, slow acting emulsifier for use with the Zyglo® penetrants Listed. Application is best achieved by immersion and drain. Approved to AMS2644 Method B.Type 1.	Flash Point (PMCC)	165°C
	Viscosity	120cs
	Water Tolerance	20% min.
	Specific Gravity	0.95
<b>ZR 10B</b>		
A pinkish concentrate for dilution with water. Concentrations Between 5% and 33% v/v for removal of excess penetrant by Dipping. Concentrations of around 0.5% v/v can be used by spray. Approved to AMS2644 Method D.Type 1.	Aqueous solutions will freeze close To 0°C Temperatures should not Exceed 40°C.	

## ZYGLO® DEVELOPERS

<b>ZP 4B</b>		
Fluffy white powder developer for use in systems using Zyglo® penetrant. ZP 4B gives excellent cover of parts on applications by powder storm Approved to AMS2644 Form A Type 1.	Asbestos free	
	Talc free	
	Flash Point (PMCC)	Non Flammable
	Concentration	As supplied
<b>ZP 5B</b>		
White powder concentrate which is mixed with water to form a Suspendable developer solution. Approved to AMS2644 Form C Type 1.	Asbestos free	
	Talc free	
	Flash Point (PMCC)	Non Flammable
	Concentration	60g/litre
<b>ZP 9F</b>		
Suspension of a white developer in a quick drying organic solvent. Must be applied by spray. Clear indications are formed when used With Zyglo® penetrants, Approved to AMS2644 Form E Type 2 / Form D Type 1.	Asbestos free	
	Talc free	
	Flash Point (PMCC)	-16°C
	Concentration	As supplied
<b>ZP 14A</b>		
White free flowing powder, which dissolves in water to form a clear. Colourless biodegradable developer solution. Approved to AMS2644 Form B Type 1.	Asbestos free	
	Talc free	
	Flash Point (PMCC)	Non Flammable
	Concentration	150g/litre