

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

WATER WASHABLE PENETRANT SYSTEM

**ZYGLO® FLUORESCENT
PENETRANT TESTING**

Fluorescent penetrant testing is the most versatile NDT process for the detection of defects open to the surface in non-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.

WATER WASHABLE ZYGLO®

ZL 4C

A special water based penetrant used on materials or in a systems where normal penetrants are inappropriate.	Flash Point (PMCC)	Non Flammable
	Viscosity at 38°C	11.0cs
	Specific Gravity	1.04

ZL15B

Normal sensitivity penetrant for general use on castings, forgings, extrusions etc. Excellent wash response Approved to AMS2644 Level 1/2	Flash Point (PMCC)	93°C min.
	Viscosity at 38°C	5.9cs
	Specific Gravity	0.88

ZL19

Normal sensitivity penetrant for general use on castings forgings, extrusions etc. Excellent wash response. Approved to AMS2644 Level 1 and PWA.	Flash Point (PMCC)	93°C min.
	Viscosity at 38°C	5.9cs
	Specific Gravity	0.86

ZL 60C

Intermediate sensitivity penetrant for the inspection of aircraft fabrications and other applications where fine tight defects are sought. Approved to AMS2644 Level 2	Flash Point (PMCC)	93°C
	Viscosity at 38°C	7.4cs
	Specific Gravity	0.88

ZL 60D

Intermediate sensitivity with improved penetrant removability characteristics. Approved to AMS2644 Level 2 and PWA	Flash Point (PMCC)	93°C
	Viscosity at 38°C	7.4cs
	Specific Gravity	0.88

ZL 66A

High sensitivity, bright penetrant for critical applications such as jet engine components etc. Resistant to heat and UV fade.	Flash Point (PMCC)	93°C
	Viscosity	14.1cs.
	Specific Gravity	0.95

ZL67

High sensitivity surfactant based penetrant. Approved AMS2644 Level 3 and PWA.	Flash Point (PMCC)	>100°C
	Viscosity	20cs.
	Specific Gravity	0.98

ZL56

Ultra high sensitivity, ultra bright penetrant for critical applications where the highest sensitivity is required Approved to AMS2644 Level 4 PWA.	Flash Point (PMCC)	93°C
	Viscosity	16.8cs.
	Specific Gravity	1.00

ZYGLO® DEVELOPERS

ZP 4B

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

ZP 5B

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

ZP 9F

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

ZP 14A

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