



Met-L-Chek[®]

Fluorescent (Type I) and contrast colour (Type II) penetrant inspection media

REMOVAL METHODS: A – Water washable
 B – Post emulsifiable, lipophilic
 C – Solvent removable
 D – Post emulsifiable, hydrophilic

SENSITIVITY LEVEL: 1 – low; 2 – medium; 3 – high; 4 – ultra high

DEVELOPER FORMS: a – Dry developer; usable with all fluorescent penetrants
 b – Water soluble developer; not to be used with water washable penetrants
 c – Water suspendible developer; not to be used with water washable penetrants
 d – Nonaqueous developer; usable with Type I penetrants, Methods A, B, C & D.
 e – Nonaqueous developer; usable with Type II penetrants, Methods A, B, C & D.
 f – Special application developer.

SOLVENT CLASS: 1 – Halogenated solvent remover, usable with all penetrants, Method C.
 2 – Nonhalogenated solvent remover, usable with all penetrants, Method C.
 3 – Special application material to be used with special penetrants, Method C.

Name	Type	Method/ class/ form	Sensitivity level	AMS- 2644 QPL	General description
FP-90	I	A & C	-	Conf.	Very low sensitivity, general metal working
FP-91	I	A & C	-	Conf.	Low sensitivity, general metal working
FB-91B	I	A & C	-	Conf.	Low sensitivity, general metal working
FBP-911	I	A & C	1	Certified	Biodegradable, low sensitivity, all applications
FP-921	I	A & C	1	Certified	Low sensitivity, approved for aerospace applications
FBP-912	I	A & C	2	Certified	Biodegradable, medium sensitivity, all applications
FP-922	I	A & C	2	Certified	Medium sensitivity, approved for aerospace applications
FBP-913	I	A & C	3	Certified	Biodegradable, high sensitivity, all applications
FB-923	I	A & C	3	Certified	High sensitivity, approved for aerospace applications
FBP-914	I	A & C	4	Certified	Biodegradable, ultra-high sensitivity, all applications
FP-93A(M)	I	B, C & D	2	Certified	Post emulsifiable, medium sensitivity, all applications
FP-95A(M)	I	B, C & D	3	Certified	Post emulsifiable, high sensitivity, all applications
FP-97A(M)	I	B, C & D	4	Certified	Post emulsifiable, ultra-high sensitivity, all applications
VP-30	II	A & C	NA	Certified	Welding, nuclear and general metal working
VBP-300	II	A & C	NA	Certified	Biodegradable, general metal working
ROT 1001	III	A & C	NA	Conf.	AZO-free, welding, nuclear and general metal working
VP-302	II	C	NA	Certified	Special high temperature penetrant (52°C – 177°C)
E-57	I	B	NA	Certified	Lipophilic emulsifier for FP-93/95/97A(M)
E-58D	I	D	NA	Certified	Hydrophilic emulsifier for FP-93/95/97A(M)
NPU	I & II	C, class 2	NA	Conf.	Alcohol based cleaner / remover for all penetrants
E-59A	I & II	C, class 2	NA	Certified	Moderate drying cleaner / remover for all penetrants
R-502	II	C, class 3	NA	Certified	Special high temperature inspection remover for VP-302
R-503	I & II	C, class 2	NA	Certified	Fast drying cleaner / remover for all penetrants
R-504	I & II	C, class 2	NA	Certified	Very fast drying remover / cleaner for all penetrants
D-70	I & II	d & e	NA	Certified	Non-aqueous, solvent based developer, all penetrants
D-72A	I	a	NA	Certified	Dry powder developer, all fluorescent penetrants
D-76B	I	b	NA	Certified	Water soluble developer, post emulsifiable penetrants
D-78B	I & II	c	NA	Certified	Water suspendible developer, post emulsifiable penetrants
D-702	II	f	NA	Certified	Special high temperature inspection developer for VP-302