

SUPER-GLO

SUPER-GLO Fluorescent Penetrant to realizes high reliability.

Showing high efficiency combining with UV light (Super-Light).



SUPER-GLO is applied to the inspection when the discontinuities part opens to the surface of the product.

Regardless of shape and materials, it can be applied to nonmetals (Ceramics, Porcelains, Resin, etc) and all the metals efficiently.

For acceptance inspection, process inspection and O/H inspection, SUPER-GLO can be utilized in the extensive quality control fields.

FEATURES

- High fluorescent brilliance to make it possible to detect any fine flaws.
- Not corrosive to all sorts of metals.
- Stable quality to offer durability.
- No toxicity.
- Some of SUPER-GLO meet ASTM, JASDF specification, etc.

APPLICATIONS

- **Metallic material**
Rolled metals (steel plate, pipe, bar steel), Castings, Forgings, Weldings, etc.
- **Non-metallic material**
Ceramics, Porcelains, Resin*, etc.

* Please check whether harmful for the materials to be inspected before apply.

TYPE AND CHARACTERISTIC

Type	Product code	Features
Water Washable Penetrant	OD-20S	Water based, Non-flammability/Low material
	OD-1800	Water-washability, Excellent penetration/Metal and Non-Metal
	OD-2800N	High-brightness(>OD-1800)/General purpose inspection
	OD-2800 II	High-brightness(>OD-2800N)/Precision inspection(aircraft parts, etc)
	OD-2800 III	High-brightness/Precision inspection(aircraft parts, etc)
Remover	UR-ST	Standard solvent remover
	SUPER-CLEAN BP-3	Exclusive remover for No-Draining PT
Developer	DN-600S	Solvent developer featuring quick drying and increased penetrant draw-out ability. /Large size parts, Castings, Forgings, etc.
	DN-600P	Dry developer which assures clear-cut discontinuities indication.
	DN-905D	Wet developer to render striking contrast and clear indication of discontinuities without blur.
Low halogen Low sulfur	OD-2800T	Highly sensitive penetrant for Nuclear power plant's parts inspection.* (OD-2800T)
	UD-T	Solvent developer for Nuclear power plant's parts inspection.* (UD-T)
Penetrant for No-Draining PT	RP-2000C	Optimum solution for automated inspection.

* Fluorine:30ppm or less, Chlorine:100ppm or less, Sulfur:10ppm or less

PACKAGING

Container Size	Aerosol Can (type 450)	Penetrant	OD-2800 II
		Remover	UR-ST, UR-T, S600
		Developer	DN-600S, UD-T, D701
	1 liter Can, 18 liter can, 200 liter can		Penetrant, Emulsifier
	Developer		DN-600P:1kg, DN-905D:5kg, DN600S:450 Aerosol Can, D700:1kg

SPECIMEN

	AL quenching crack specimen	In accordance with JIS
	PSM-5 test panel	Made in U.S.A.

Hot Water Fluorescent PT unit

- Newly developed PT system using special penetrant(EG-300) and hot water for washing penetrant
- Compared with conventional PT Unit
 - 1) one half of installed space
 - 2) two times of inspection capacity
 - 3) one half of drainage volume

HW-I



No-Draining PT unit (PT unit using solvent remover)

- Because washing drainage is not given, drainage facilities are not necessary.
- Process ability of test line improves remarkably, without dry process bottlenecking.
- Easy automatization.

MH-I



Fluorescent penetrant testing unit

- It is designed to be able to perform a test process efficiently, in the case of inspecting a large quantity of parts with Fluorescent penetrant by a few people.
- Unit can be selected in accordance with the size of the parts to be inspected.

MA-I



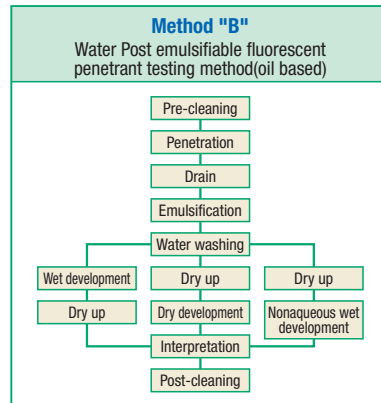
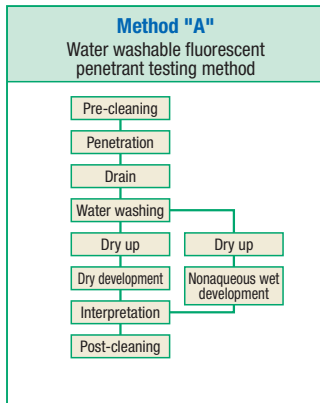
Penetration time (ASTM-E165)

Material	Form	Defect	Time(min)
Al, Mg, Cu, Ti, Steel	Casting, Welding	Crack, Improper welding, Porosity	5
	Casting, Rolling	Crack, Overlapping	10
Carbide tip tool		Crack, Improper welding, Porosity	5
Ceramic, Plastic, glass	All	Crack	5

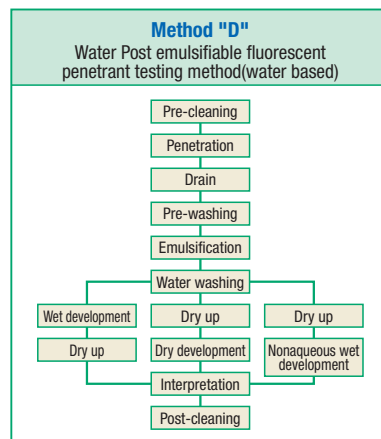
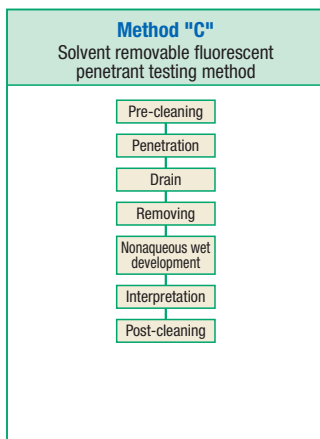
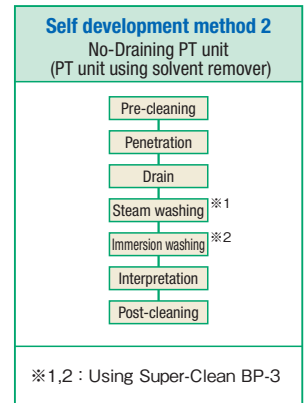
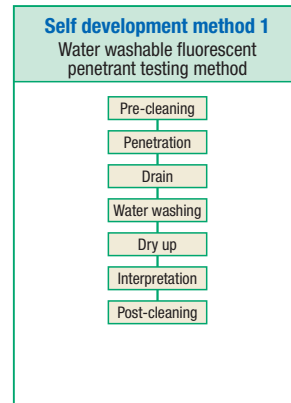
AMS CERTIFIED(QPL AMS-2644)

	Product code	Type	Method	Sensitivity Level	Features
Penetrant	P121	I	"A" Water washable	2	Water washable fluorescent Penetrant. Solvent removable fluorescent penetrant.
	P130		"C" Solvent removable	3	
	P220	I	"B" Emulsifier(oil based)	2	Post emulsifiable fluorescent penetrant. Solvent removable fluorescent penetrant.
	P230		"C" Solvent removable	3	
	P240		"D" Emulsifier(water based)	4	
Emulsifier	E400	Oil based, Method"B"			Post emulsifiable fluorescent penetrant. Increased emulsifying ability when used together with P220,P230,P240.
	R500	Water based(To be diluted as 30wt% with water), Method"D"			
Remover	S600	Class(2), Nonhalogenated			Remover for Method"C"
Developer	D700	Form a			Dry developing powder
	D701	Form d			Nonaqueous wet developing liquid(flammable)

TEST PROCESS IN ACCORDANCE WITH TYPICAL SPECIFICATION



OTHER TEST PROCESS



Integrated supplier of Non-Destructive Testing and Marking



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☞ All specifications and designing are subject to change without notice.

