

FlawGlo Series of Liquid Penetrant Testing Chemicals



Salient Features of FlawGlo make LPT products

- Vivid, high contrast color.
- Low in Sulphur and halogens.
- Good in Wettability, Viscosity & capillarity.
- Superior flaw resolution.
- Water washable and solvent type penetrant.
- Excellent reliability.
- High flash point
- Compatible with any metals & many synthetic materials.

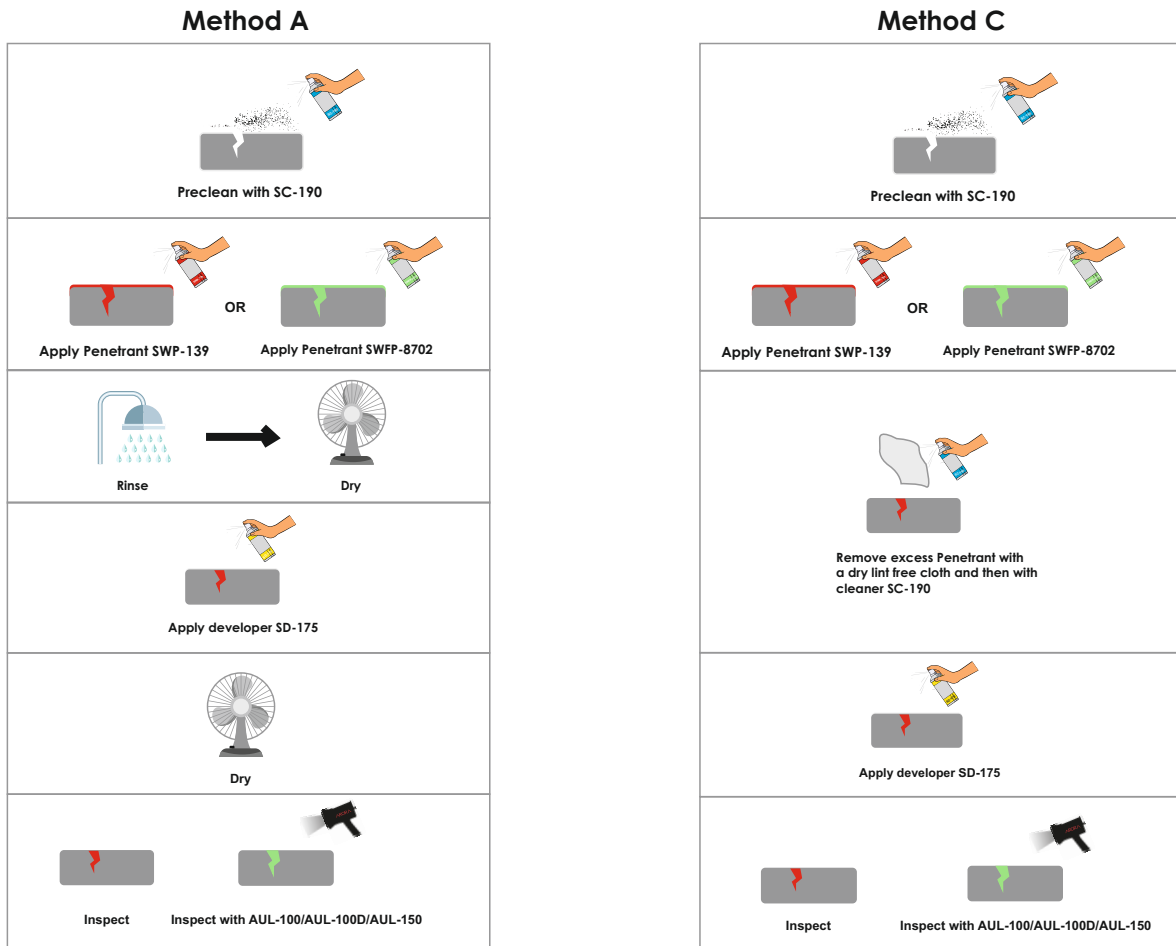
Liquid Penetrant Testing is commonly known as LPT/PT or DPT. This is suitable for open to surface cracks for almost every product & materials regardless of their properties. It utilizes natural accumulation of fluid around a discontinuity to create a recognizable indication of crack or other surface opening defects. Usually, LPT materials are composed of Penetrant, Developer & Remover. Penetrant inspection depends mainly on the ability of liquid (Penetrant SWP-139, SWFP-8702) to wet the surface of the solid workpiece and flow over the surface to form a continuous uniform coating.

Capillary action attracts the fluid (penetrant) to the discontinuity as compared to its surroundings. To locate the defects, developer (SD-175) is applied to draw the penetrant out of the crack which can be seen in visible or UV light (We manufacture full range of LED UV lights & for information kindly visit <https://www.arorandt.com/led-uv-lamps-black-lights/>).

Cleaner (SC-190) also plays most important role in pre and post-cleaning of Liquid penetrant testing.



Preferred Methods to do LPT using FlawGlow Chemicals



Technical data for Aerosol Cans

Model	Description	Approval & Specifications	Standard Packaging
SC-190	Solvent Cleaner	ASTM E 165, ASTM E 1417, ASME BPVC - Sec V, IS 3658, EN ISO 3452-2 & EN 571-1	420 ml Aerosol Can 1 Box (10 Cans)
SWP-139	Water Washable / Solvent Removable Red Dye Penetrant	ASTM E 165, ASTM E 1417, ASME BPVC - Sec V, IS 3658, EN ISO 3452-6, EN ISO 3452-2 & EN 571-1	420 ml Aerosol Can 1 Box (10 Cans)
SWFP-8702	Water Washable / Solvent Removable Fluorescent Penetrant	ASTM E 165, ASTM E 1417, ASME BPVC - Sec V, IS 3658, EN ISO 3452-6, EN ISO 3452-2 & EN 571-1	420 ml Aerosol Can 1 Box (10 Cans)
SD-175	Solvent Suspendable Developer	ASTM E 165, ASTM E 1417, ASME BPVC - Sec V, IS 3658, EN ISO 3452-2 & EN 571-1	420 ml Aerosol Can 1 Box (10 Cans)

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Note : Standard Packaging: 420 ml Aerosol Can 1 Box (10 Cans) /1L/5L

