

ZYGLO[®] ZP-9F NON-AQUEOUS DEVELOPER

CLASSIFICATION

- *Form d, Non-Aqueous Type 1 Fluorescent (Solvent Based)*
- *Form e, Non-Aqueous Type 2 Visible Dye (Solvent Based)*

GENERAL DESCRIPTION

Zygro ZP-9F is a ready to use suspension of white developing particles in a fast drying solvent. ZP-9F is non-halogenated and produces an opaque white coating, which provides an excellent contrasting background for Spotcheck or Zygro penetrant indications.

COMPOSITION

Zygro ZP-9F is composed of a dispersion of organic particles in isopropyl alcohol and acetone.

TYPICAL PROPERTIES (Not a specification)

Typical Properties	ZP-9F
Flash Point	2° F (PMCC)
Density	7.0 lbs/gal (875g/l)
Corrosion	Non-Corrosive on Metals Including Steel, Aluminum & Magnesium
Coating	White Water Washable Film
Sulfur	<1000 ppm
Chlorine	<1000 ppm
VOC	449 g/l

METHOD OF APPLICATION

Zyglo ZP-9F should be applied by spraying only, as dipping or brushing will cause excessive solvent action on the penetrant in discontinuities. On standing, developer particles will settle out of suspension and must be re-suspended before applying.

Developers should be applied only after the test surface has been cleaned of excess penetrant, and the cleaning medium has been dried off. Non-aqueous developers should be sprayed in thin even layers, which just wet the surface. Too wet a spray will cause excessive bleeding and running of indications; whereas too dry a spray will result in slow indication development as well as possible loss in overall sensitivity due to limited solvent action.

ZP-9F's unique formula provides a thin coating that hides surface blemishes. A thick coating is not required for this effect and is undesirable as masking of indications could result. ZP-9F gives a dense coating which is ideal for fluorescent inspection. With Zyglo[®] penetrants, inspection is performed with a black light with a peak wavelength of 365 nm, such as a Magnaflux[®] ZB-100F Fan-Cooled Black Light. Cracks will fluoresce a yellow/green color. *Note! A general greenish fluorescent developer film indicates incomplete removal of surface penetrant.*

SPECIFICATION COMPLIANCE: AMS 2644, MIL-STD-271, MIL-STD-2132, AECL, ASME B & PV Code, Section V, Boeing PS-21202, AMS 2647, ASTM E1417, ASTM E 165, NAVSEA 250-1500-1, Boeing BAC 5423.

PACKAGING

5 gal. pail, aerosols.

COVERAGE

- (1) gal. covers approximately 800 square feet.
- (1) 16 fl. oz. aerosol can covers approximately 65 square feet.