



Technical Data Sheet

SD 175

Solvent Suspended Developer

SD 175 is a ready-to-use suspension of white particles in a volatile organic solvent. It forms an opaque white coating that offers excellent contrast for liquid penetrant inspection. SD 175 is specifically formulated to be low in sulfur and halogens, and it contains no chlorinated hydrocarbons. This non-aqueous developer enhances inspection sensitivity by drawing penetrant from surface discontinuities through capillary action at the defect sites.

Appearance:

- Suspension of white particles in solvent

Properties:

- Density (20°C): 0.89 g/ml
- Flash Point: 12°C
- Processing Temperature: -10° to 52°C
- Form d and e according to EN ISO 3452-1 (Developer for visible & fluorescent Penetrant testing)
- Compatible with any metals & many synthetic materials (compatibility for synthetic and ceramic materials must be checked before use)

Compliance & Specifications:

- ISO 3452-2
- ASTM E165
- ASME B&PV

Application:

- Shake the can vigorously until the marble rattles, and occasionally during use.
- After removing the surface penetrant and drying, spray SD 175 developer from 7 to 12 inches (18 to 30 cm) at 45° angle to the test surface, achieving a thin and uniform layer.
- Wait for indications to develop (10 minutes). Inspect and evaluate as per applicable standard requirements.
- Clean the test surface thoroughly using SC 190.
- If clogging develops, turn the spray button 1/4 turn. If clogging persists, remove and clean the spray button. Do not insert a pin or any other object into the can opening. Now, gently place the spray button with a twisting motion, holding the top of the can and pointing the spray button opening away from you.

Shelf Life:

Recommended to use within 24 months, the product can be used for next 3 years, if it satisfies spraying & performance parameters.

Pack Sizes: Aerosol Can (1 box of 10 cans), each can with Net Qty 400 ml

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