

Sherwin DR-60 Cleaner/Remover

Description

DR-60 Cleaner/Remover is used in the penetrant process to remove excess penetrant from part surfaces. It is a manual wipe on and wipe off material and is recommended for small areas. DR-60 may also be used for generally cleaning oily, dirty surfaces. DR-60 is especially suitable for cleaning prior to the application of inspection penetrants. Complies with low sulfur and low halogen requirements.

Special Features

- Can be used as a pre-cleaner for penetrant inspection evaporates completely and rapidly.
- Relatively volatile.
- Non-Miscible in water.
- Non-chlorinated material.

Why's Sherwin so good?

Sherwin NDT products are market leaders in quality, performance and reliability - a bold statement, but backed up by over 26 critical manufacturer approvals, including Boeing, Airbus, Rolls-Royce, Lockheed-Martin and other OEM's. Together, NDT products provide a non-destructive method of inspecting materials, parts, assemblies, equipment, surfaces and structures often referred to as the 'visible dye penetrant method' or 'colour contrast method' of inspection.

Technical Data

Color: Colorless Liquid
Volatility: 100%
Specific Gravity: 0.77
Boiling Point: 160°C
Odour: Petroleum Odour

PRODUCT NAME	Size (ml)	Ea/Pack/Carton Qty	Code
Sherwin DR-60 Cleaner/Remover	400	1/12	SPSDR60400



COMPANION PRODUCTS	Size (ml)	Ea/Pack/Carton Qty	Code
Sherwin DP-50 Dye Penetrant	400	1/12	SPSPD50400
Sherwin D-100 Developer	400	1/12	SPSDE10400

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Sherwin DR-60 Cleaner/Remover

Instructions

Note: These instructions describe the basic process, but they may need to be amended by the user to comply with applicable specification and/or inspection criteria provided by the contracting agency.

- 1. Application:** Apply penetrant only to clean, dry surfaces by spraying, flowing, brushing or dipping.
- 2. Dwell:** A 10 minute dwell time is suggested, although in many cases five minutes will suffice. When particularly tight cracks are suspected, or the part is especially critical, the dwell time may be extended to 30 minutes, or longer. Allow the penetrant to drain from the part surface back into the penetrant tank to conserve material.
- 3. Removal:** Remove as much excess penetrant as possible using clean, dry rag or toweling. Remove remaining penetrant film by wiping with a rag or toweling that has been slightly moistened with DR-60. Use a minimal of DR-60; avoid flushing penetrant from flaws. Do not spray DR-60 directly on the part surface when removing excess penetrant. Rough surfaces require more generous applications of DR-60.
- 4. Drying:** Allow the surface to dry completely before applying developer.
- 5. Developing:** Apply the developer by cloud, dusting, spray or dip using the appropriate developer. Flaw marks are visible under appropriate lighting almost immediately, but allow sufficient developing time to enhance the flaw visibility.
- 6. Inspection:** Inspect parts under appropriate light.

Health & Safety

DR-60 is a flammable liquid. Use with adequate ventilation and away from sparks, fire or open flames. Avoid prolonged or repeated contact with skin. Do not take internally. Consult the MSDS for more safety and health information.

Storage /Shelf Life

Keep away from moisture and sunlight. Temperature limit: 0-50°C
Keep the container closed when not in use.
Shelf life from invoice date: Aerosol Can 36 months

Specifications

SSAE AMS 2644 & QPL
MIL-I-25135 Revisions C, D, & E ASME Code NOT, Sec V

Sherwin DP-50 Dye Penetrant

Red colored, water-washable dye penetrant liquid used to locate cracks, laps, pores, lack of bonding, and similar surface flaws. DP-50 can be used on non-porous parts including both ferrous and non-ferrous metals, ceramics, and glass and some plastics. Referred to as the visible dye penetrant method or colour contrast method of inspection and can be used for weld inspection.

Special Features

- Brings flaws into sharper, clearer focus with more intense red colour.
- Performs more reliably over a greater range of temperatures.
- DP-50 meets stringent low sulfur and chloride requirements.
- Long lasting flaw mark indications; less fading.
- Water washable; easy to remove.

Size: 400ml.



Sherwin D-100 Developer

D-100 developer consists of refined white particles suspended in isopropyl alcohol that produces enhanced sensitivity for locating tight flaws. D-100 developer pulls flaw-entrapped penetrant to the part surface for display against a white background by solvent and capillary action. Complies with low sulfur and low halogen requirements.

Special Features

- D-100 lays on the surface in a thinner, more uniform, more absorbent coating.
- D-100 has superior suspension properties.
- It is easily removed by light brushing or spray water rinse.
- D-100 works well on smooth or rough surfaces.
- D-100 can be used on machined or coated surfaces.
- D-100 can be used with both visible and fluorescent penetrants.

Size: 400ml.



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