



D-90G

DRY DEVELOPER FOR PENETRANT TESTING

Technical Data Sheet

Approvals and conformities

AIRBUS
AIRBUS HELICOPTERS
ASME
DASSAULT AVIATION
EADS
ISO 3452-2
PRATT & WHITNEY
QPD-AMS 2644
ROLLS ROYCE
SAFRAN

MANUFACTURER: Sherwin Inc. (USA) / NDT-Europa (NL)

DESCRIPTION / APPLICATION(S):

Fluffy white powder

Companion products : All fluorescent penetrants

DIRECTIONS FOR USE

CAUTION: BEFORE TAKING THE PRODUCT OUT, HOMOGENEIZE THE POWDER. CLOSE THE PACKAGING CAREFULLY AFTERWARDS.

Immersion:

After washing and drying the parts, immerse them for **5 to 10 seconds** into the developer. Take them out and let them bleed for at least **10 minutes**. The developer should be homogenized (using a wooden spoon, for example), twice a day.

Dust chamber:

1/2

12018-07-31F. Héron

Once washed and dried, the parts are inserted into the dust chamber. They are to be placed at mid-height of the tank (which is closed). A **very small quantity of powder**, at the bottom of the tank, is stirred by a fan, or by a blow of compressed air (dry and oil-free: in that case, exhaust should be directed outside the workshop with a particles filter) for approximately **30 seconds**. Then let the parts dry for at least **10 minutes** in the compartment, so that the powder can fall down before opening.

NOTE: IT IS STRONGLY ADVISED TO:

- **Use one or several fans rather than compressed air.**
- **Use vertical axis fan placed at the bottom of the tank.**
- **If, however, you wish to use compressed air, it should be oil-free and, above all, very dry.**

Spray:

D90G can be applied by pneumatic spraying (dry, oil-free air). However, electrostatic spraying is preferable, as it makes it possible to apply a thin layer of developer, which remains clean at all times.

TECHNICAL CHARACTERISTICS

- Very low chlorine, fluorine, sulfur, and sodium content.
- No flash point.
- No asbestos or crystallized silica content.
- Granulometry: X10 = 4,5µm / X90 = 80µm /X99 = 105µm according ISO 13320-1

PRECAUTIONS FOR USE AND STORAGE

Transport / Handling: Refer to Material Safety Data Sheet (MSDS).

Storage : Keep away from moisture

Temperature range: 0°C à 50° C.

Keep packaging closed after taking out some of the product

This technical data sheet replaces and cancels the previous one.

The above details have been compiled to the best of our knowledge. They have, however, an indicative value only and we therefore make no warranties and assume no liability in connection with any use of this information, particularly if a third party's rights are affected by the use of our products. The above information has been compiled based upon tests carried out by SOCOMORE. All data is subject to change as Socomore deems appropriate. The data given is not intended to substitute for any testing you must conduct in order to determine the suitability of the product for your particular purposes. Please check your local legislation applicable to the use of this product. Should you need any further information please contact us.