

**MATERIALS AND COATINGS
APPLICATION OF A PRESSURE WASH**

Page 1/ 4

NO USE RESTRICTION

This is a translation, the French original shall be used in all cases of litigation

Date of translation: 02/08/2004

1.OBJECT AND FIELD OF APPLICATION

The object of this method is to describe a method of operation for applying a pressure wash on materials (or parts) with or without coating, simulating a client installation.

For complete paint coatings (opaque or metallic colours with or without varnish) on sheet metal or plastic supports, test specimens or complete parts, use test method D25 5376.

2.PRINCIPLE

Applying a pressure washing by means of a spray booth and a pressurised water pump.

3.EQUIPMENT AND REAGENTS**3.1.WATER PUMP WITH LANCE**

(for example: KARCHER type).

3.2.SPRAY BOOTH

See in appendix.

3.3.WASH SOLUTION

Solution to 0,5 % in mass of a detergent in water.

The detergents which may be used are of the type:

- NEPTOL (supplier F.C.P.E., Z.I. of Charmontet, 25200 MONTBELIARD).
- RM82 (supplier KARCHER).

3.4.RINSING LIQUID

Hot water.

4.TEST SPECIMENS

The test specimens may be:

- either complete or cut out pieces, or materials, with or without coatings,
- or typical test specimens defined on the documents.

APPLICATION OF A PRESSURE WASH	D15 5319	2/ 4
--------------------------------	----------	------

5.METHOD OF OPERATION

5.1.EXPOSURE OF TEST SPECIMENS

The test specimens must be placed in the booth (3.2) so that they are in the direct path of the atomised solution, see Appendix.

The surface subjected to the test must be vertical.

The test specimens must be arranged so that they are not in contact with each other.

5.2.WASH

The test specimens are subjected to a spray with the solution (3.3) at $53\text{ °C} \pm 2\text{ °C}$ for 2 minutes with a pressure at the lance of $2\text{ bar} \pm 0,5\text{ bar}$.

The distance between the extremities of the lance and the test specimens must be $600\text{ mm} \pm 5\text{ mm}$.

5.3.RINSE

Immediately after the wash, the test specimens must be rinsed with the rinsing liquid (3.4) at $53\text{ °C} \pm 2\text{ °C}$ under a pressure of $53\text{ bar} \pm 2\text{ bar}$.

The distance between the extremities of the lance and the test specimens must be $600\text{ mm} \pm 5\text{ mm}$.

5.4.DRYING

The test specimens must be allowed to dry naturally for 24 hours.

6.EXPRESSION OF RESULTS

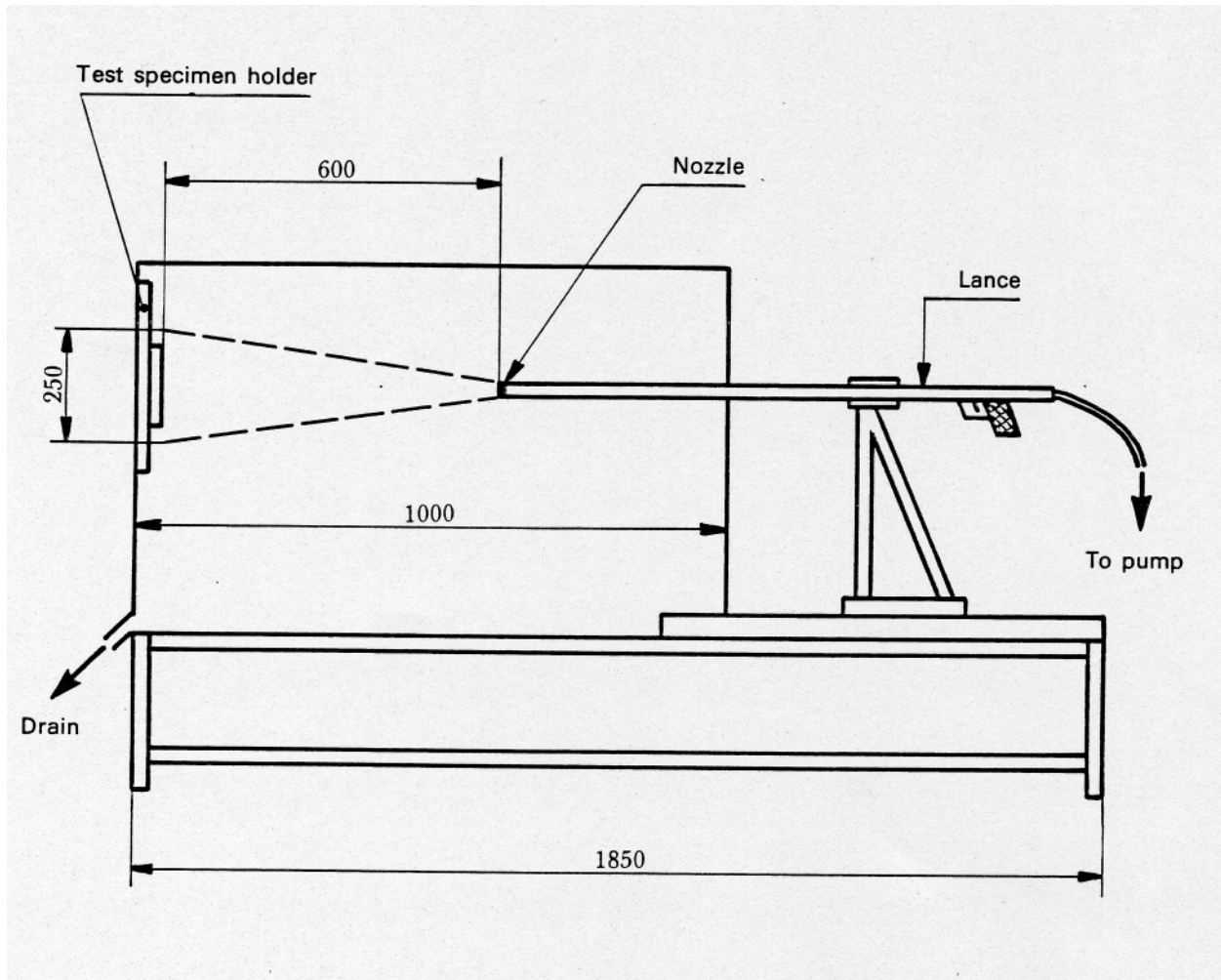
Record any possible deterioration of the test specimens.

Note: *It may be necessary to subject the test specimens to additional tests which can, for example, reveal in a more visible way any deterioration. These tests must in this case be indicated on the documents.*

7.TEST REPORT

As well as the results obtained, the test report must indicate:

- the reference to this method,
- the reference of the part or test specimen examined,
- the name of the supplier,
- operational details not specified in the method as well as any possible incidents likely to have affected the results.

Appendix**DIAGRAM OF THE BOX OF SPRAY BOOTH**

8.RECORDS AND REFERENCE DOCUMENTS

8.1.RECORDS

8.1.1.CREATION

- OR: 01/06/1988 – CREATION OF THE NORME

8.1.2.SUBJECT OF THE MODIFICATION

- A: 01/07/1995 – MODIFICATION OF PARAGRAPH 1
- B: 25/04/1997 – INTRODUCTION TO IDEM (French only)

8.2.REFERENCE DOCUMENTS

8.2.1.PSA DOCUMENTS

8.2.1.1.Normes D25 5376.

8.2.1.2.Others

8.2.2.EXTERNAL DOCUMENTS

8.3.EQUIVALENT TO:

8.4.CONFORMS TO:

8.5.KEY WORDS