

**Technical Definition**

Salt spray – Corrosion - Aluminium panels

*You shall respect the HSE policy of your laboratory for each performed test.*

***Instructions to participant laboratories***

**Please read these instructions carefully BEFORE starting the tests.**

1. 4 specimens (80 x 125 x 1 mm) are supplied to each participant – 4 results must be provided. If one result is missing your test will be considered as an outlier. A RCA shall be completed.
2. No additional machining of specimens is required
3. Each participant is required to determine the corrosion of each specimen as indicated below:

**Salt spray test**

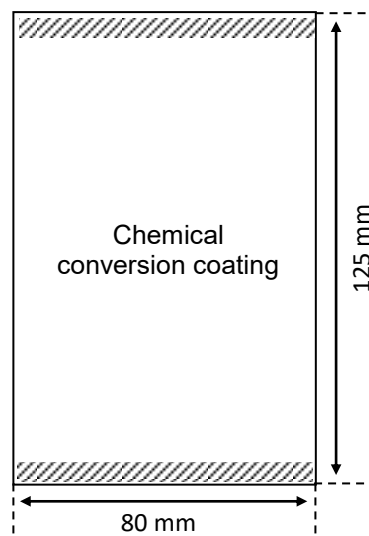
Salt spray test shall be performed in accordance with **ISO 9227 (2017)** with a **168 hours** maximum exposure. After 168 hours, specific observations shall be done and shall be mentioned on the reporting sheet. Moreover in this reporting sheet, you will indicate the corrosion localisation and the observed pits number.

For this corrosion test please consider the below pit definition for the pit counting.

Pit definition: pitting with the presence of a corrosion runoff

- If the number of pits is inferior to 50, precise the number of pits
- If the number of pits is superior to 50 pits, indicate “more than 50 pits”.

The fog parameters and corrosion check shall be registered in accordance with your process.

**Definition of test specimens**

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4. The following information is to be reported:

Characteristic	Unit	Significant digits	Mandatory / Not mandatory	Evaluated Yes/no
Specimen ID	N/A	N/A	Mandatory	No
Observed number of pits after 168 hours if the number of pits is < 50 (if not indicate “more than 50 pits”)	pits	XX	Mandatory	Yes
Pictures of the 4 specimens after salt spray test	-	-	Mandatory	Yes

All evaluated characteristics will be compared to expected results.


5. Testing shall start **as soon as test specimens are received**. Please contact the following e-mail address for any technical or administrative query.

<b>Submission date :</b>	<b>July 1<sup>st</sup>, 2020</b>
<b>Technical and administrative support :</b>	<a href="mailto:info@ptpscheme.com">info@ptpscheme.com</a>

6. Instructions for submission of results are detailed on the website:

<https://ptpscheme.com>

7. To ensure the confidential treatment of your results in the final report, you will be allocated a unique identity number when you register for the program.
8. Collusion and falsification of your PTP results are totally forbidden. In case of identification or suspicion of collusion or falsification, the laboratory will be excluded from the program and the sponsors will be immediately informed. The sponsors could ask you proofs of your records and analyses, so be sure to conserve data, curves and specimens.
9. The tested specimens do not need to be sent back to the PTP office.

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<b>Kit 7-2-2020 PTP Metallic</b>		

APPENDIX: Instructions for IRR participation

The Internal Round Robin participation (IRR) is **optional** and **independent** from your PTP participation.

**Confidentiality:** The IRR results and reports are confidential and only accessible by your laboratory. They are not shared with the scheme sponsors or any other accreditation or certification bodies.

The extra samples shall be tested according to the following table:

	Operator 1	Operator 2	Operator 3	Operator 4	Operator X
<b>Test machine 1</b>	PTP kit (4 samples)	2 samples	2 samples	2 samples	2 samples
<b>Test machine 2</b>	2 samples				
<b>Test machine 3</b>	2 samples				
<b>Test machine Y</b>	2 samples				

**Operator 1 (OP1)** is to be the most experienced operator currently conducting tests on a regular basis and shall perform tests on all machines (TM1, TM2, TM3...)

**Test Machine 1 (TM 1)** is to be the most utilised machine for this test in your laboratory and shall be tested by all operators (OP1, OP2, OP3...)

**Example:** A laboratory has 2 operators and 3 test machines. They receive a PTP kit and 6 extra specimens.

Operator 1 shall test the PTP kit on TM1, 2 specimens on TM2 and 2 specimens on TM3.

Operator 2 shall test 2 specimens on TM1.

The IRR results have to be submitted on a separate results form available on the PTP website.

The identification of operators and test machines you provide will appear on the IRR final report.

These identifications will not be seen by other laboratories.

The IRR results will be classified against the acceptance classes of the kit 7-2-2020.

**Reminder: Laboratories are not permitted to switch specimens between the PTP kit and IRR samples. The traceability of the samples will be checked during the evaluation. Laboratories found to have switched samples will invalidate their PTP participation.**

REVISION HISTORY

Issue Date	Issue N°	Changes
05/12/2019	1	Document creation
11/03/2020	2	Definition of Pit updated
20/03/2020	3	Modification of the results submission date
27/05/2020	4	Modification of the results submission date