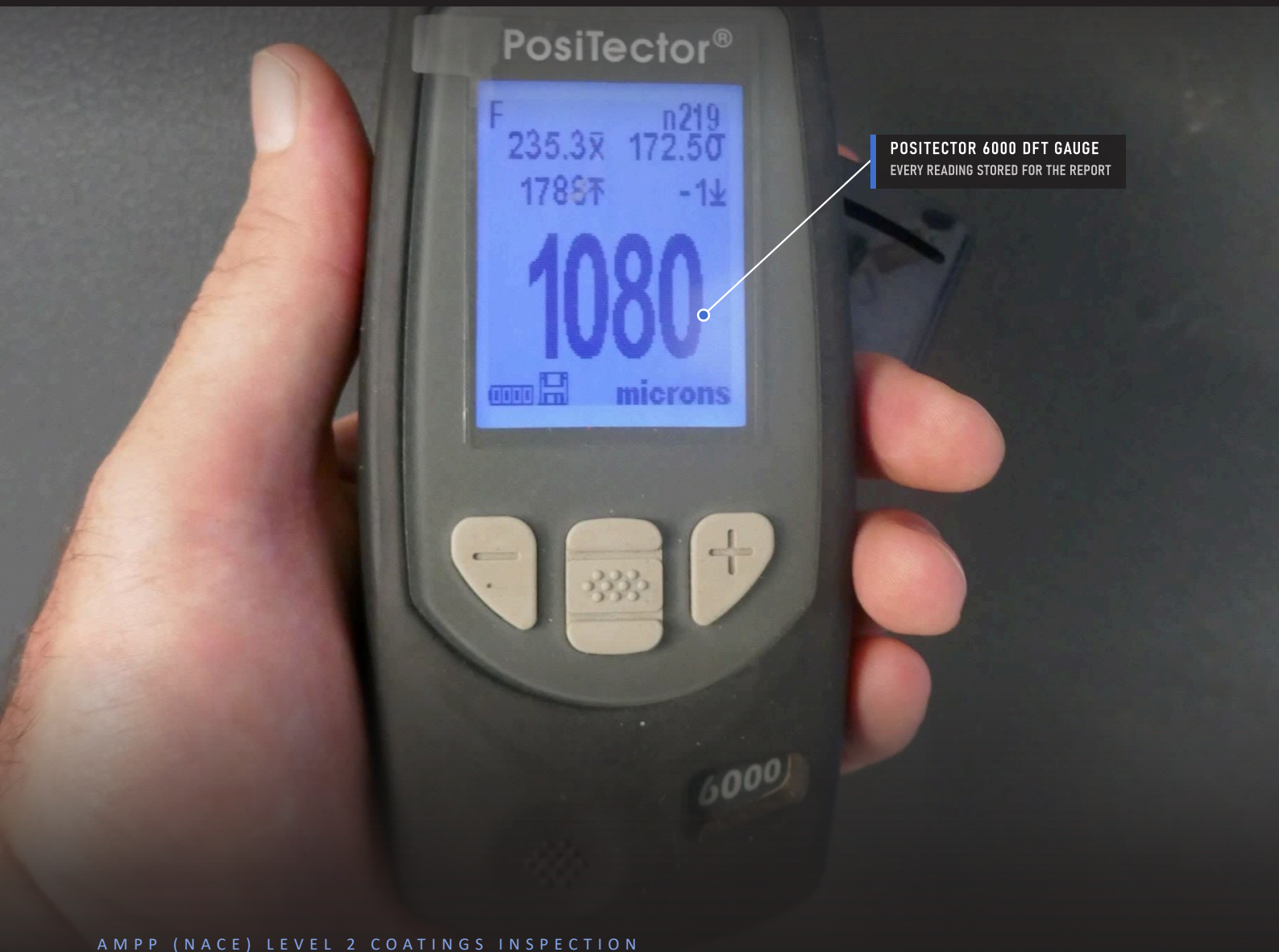


POSITECTOR 6000 DFT GAUGE
EVERY READING STORED FOR THE REPORT

AMPP (NACE) LEVEL 2 COATINGS INSPECTION

EVERY COAT, CHECKED AND RECORDED.

Coating inspection from bare steel to final coat by a NACE Level 2 inspector. Salts, profile, dew point, film thickness, adhesion and holiday testing with NATA calibrated Elcometer and PosiTector gauges, reported against your specification and ITP.

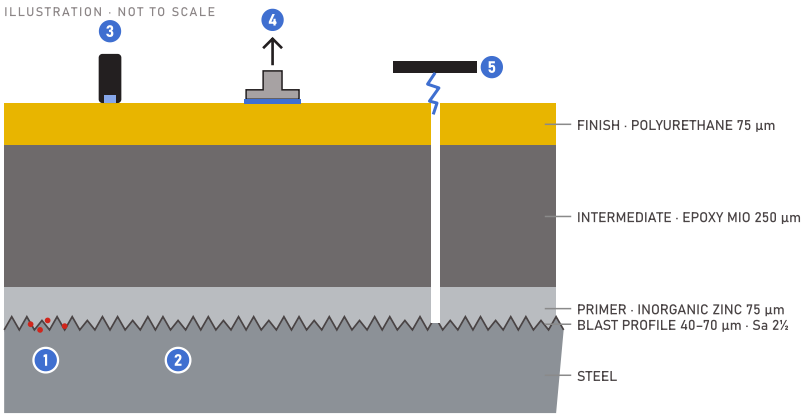
NACE LEVEL 2 | SURFACE PREP | SOLUBLE SALTS | SURFACE PROFILE | DEW POINT | DFT | ADHESION | HOLIDAY TESTING

COATINGS INSPECTION

A COATING ONLY LASTS IF THE STEEL UNDER IT WAS RIGHT.

Most coating failures start before the first coat goes on: salt left on the steel, too little profile, or paint applied too close to the dew point. We check each layer as the job goes, so problems are caught while they're still cheap to fix.

WHAT GETS CHECKED, LAYER BY LAYER



1. **Salts and dust** on the blasted steel, before anything is painted over them.
2. **Blast profile** measured, so the primer has something to grip.
3. **Film thickness** on every coat, against the specified range.
4. **Adhesion** through the full system with a pull-off dolly.
5. **Holidays**: pinholes and thin spots found before the job is handed over.

Illustration. Example three-coat system for a severe marine environment; your specification sets the system.



Testex replica tape on the micrometer.



Bresle patch on the blasted steel.



Salt extraction and conductivity reading.



Elcometer dew point meter on the steel.



Elcometer DFT gauge on a second coat.

HOLD POINTS

NOTHING GETS PAINTED OVER UNTIL IT'S BEEN CHECKED.

01 BEFORE THE JOB
Specification, coating system, data sheets and ITP reviewed, and hold points agreed.

02 SURFACE PREP
Climate, salts, blast cleanliness, profile and dust, before the first coat.

03 APPLICATION
Batch numbers, mixing, stripe coats, climate and overcoat times recorded.

04 EACH COAT
Dry film thickness on every coat, checked against the specified range.

05 FINAL
Holiday and adhesion testing, visual, and the sign-off for hand-over.

LEVEL 2
AMPP (NACE) certified coating inspector

5 HOLD POINTS
From the spec review to hand-over

NATA
Calibrated salt, profile and dew point gauges

THE KIT

ELCOMETER AND POSITECTOR, CALIBRATED AND ON SITE.

Every instrument is in date, and the salt, profile and dew point gauges are NATA calibrated. Serial numbers go on every report.

FILM THICKNESS
ELCOMETER 456 & POSITECTOR 6000
Every reading stored, with the mean, minimum and maximum for each area. Checked on certified foils.

DEW POINT
ELCOMETER 319 & DEWLOGGER
Air and surface temperature, humidity and dew point, logged through the shift.

NATA CALIBRATED

SOLUBLE SALTS
ELCOMETER 138 BRESLE KIT
Chlorides by Bresle patch and conductivity, to ISO 8502-6 and 8502-9.

NATA CALIBRATED

SURFACE PROFILE
ELCOMETER 224 DIGITAL
Peak-to-valley profile read straight off the blasted steel, to AS 3894.5.

NATA CALIBRATED

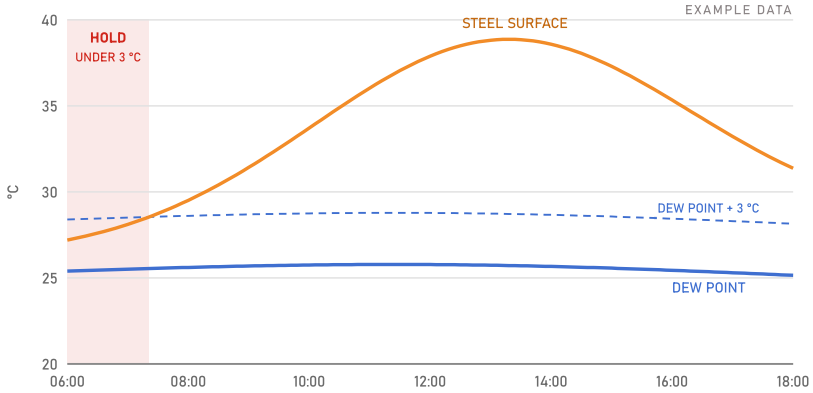
REPLICA TAPE
TESTEX PRESS-O-FILM
The profile is pressed into the tape, read on a spring micrometer and kept with the report, to ISO 8503-5.

CLEANLINESS
VISUAL & DUST TAPE
Blast standard to ISO 8501-1 and SSPC, dust to AS 3894.6 and ISO 8502-3.

ADHESION
ELCOMETER 510 PULL-OFF
Pull-off to AS 3894.9 and ISO 4624, plus cross-cut and knife tests to AS 1580.408.

HOLIDAY TESTING
ELCOMETER 270 & 266
Low voltage wet sponge and high voltage DC detectors, to NACE SP0188.

SURFACE TEMPERATURE AGAINST DEW POINT, ONE WET SEASON DAY

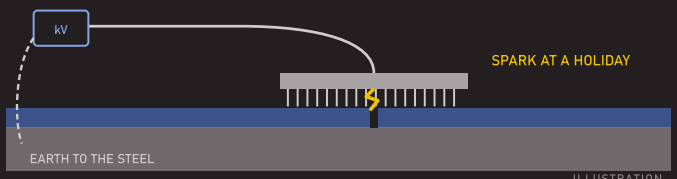


WHY WE LOG DEW POINT
If the steel is too close to the dew point, moisture forms on it before you can see it, and the coating goes on over a damp surface. Most specifications want the steel at least 3 °C above the dew point.

BUILT FOR THE TOP END
In a Darwin wet season the morning dew point can sit only a few degrees under the steel. We log it through the shift, so blasting and coating start when conditions allow, not by the clock.

THROUGH THE FILM

HOLIDAY AND ADHESION TESTING, BEFORE HAND-OVER.



ILLUSTRATION

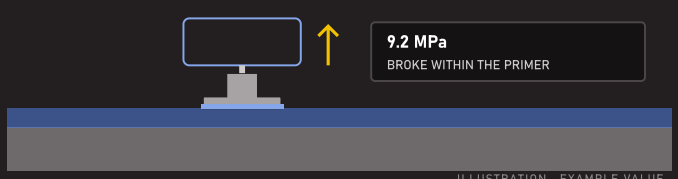


ILLUSTRATION · EXAMPLE VALUE

HOLIDAY TESTING
Low voltage wet sponge for thinner films, and high voltage DC set to the film thickness for heavier ones. Every holiday is marked, repaired and retested.

ADHESION TESTING
A dolly is glued to the coating and pulled off. We report the load and where it broke: in a coat, between coats or at the steel.

WHAT YOU GET

EVERY COAT, ON RECORD.

Daily inspection reports, with the climate log, batch numbers and film thickness for every coat, so your QA pack shows what was done, not just that it was signed.

FILM THICKNESS BY COAT · STRUCTURAL STEEL, THREE-COAT SYSTEM

Example data

Coat	Product type	Specified (µm)	Readings	Min	Max	Mean	Result
1st	Inorganic zinc primer	75	30	72	112	88	Conforms
2nd	Epoxy MIO, cumulative	325	30	318	402	352	Conforms
3rd	Polyurethane finish, total	400	30	396	488	431	Conforms

Example data. Your specification and ITP set the system, the film builds and the acceptance rule.

DAILY REPORTS
Climate, prep, batches and DFT, coat by coat

HOLD POINT SIGN-OFF
Against your ITP, before the next coat

PHOTOS & TAPES
Replica and dust tapes kept with the report

NON-CONFORMANCES
Raised, repaired and re-inspected



AMPP (NACE) LEVEL 2 INSPECTOR
Coating inspection by a certified AMPP (formerly NACE) Level 2 coating inspector, backed by our NDT crew for the welds under the paint.

SITE, SHOP AND OFFSHORE
From iron ore port conveyors in the Pilbara to tanks, pipelines and structural steel in the Territory, in the blast shop, on site and on rope access.

TO YOUR SPECIFICATION
Inspected to the client specification and coating manufacturer's data sheets, with AS 2312, ISO 12944, AS 3894, ISO 8501, 8502 and 8503, and NACE SP0188 methods.

COATING GOING ON? GET IT CHECKED.

Swift reporting, round the clock.

NACE L2 | NATA 12303 | ISO 9001 | AINDT | IRATA

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