



# Salt Contamination

## PosiTector SST

**EMIN**  
Testing & Measuring Everything

**DeFelsko®**  
The Measure of Quality

# Why Measure Soluble Salts?

Soluble salts are not visible to the naked eye. If allowed to remain on the substrate in sufficient quantities, they can draw moisture through the coating causing premature coating failure from osmotic blistering or disbondment.

The test for water-soluble salts is done in accordance with ISO 8502-9. As a part of that method, the extraction of soluble salt contaminants for analysis is performed in accordance with ISO 8502-6 — the Bresle method.

- Adopted by U.S. Navy, IMO, NAVSEA, ASTM and others.

# What is the Bresle Method?

Put simply, the Bresle method involves placing a volume of water in a chamber against the surface.

This water dissolves soluble salts present on the surface, raising the conductivity of the water.

The measured increase in conductivity establishes the concentration of soluble salts.



# Overview

PosiTector SST kits include everything necessary to preform a Bresle test.

PosiTector SST  
conductivity  
probe

Syringe and  
needles/plastic tips



Choice of Bresle Method Patch

- PosiPatch & Magnetic Ring
- DeFelsko Adhesive Patch
- Latex Adhesive Patch

Hard-shell  
carrying case

# PosiTector<sup>®</sup> SST – Probe

- The interchangeable PosiTector SST conductivity probe greatly simplifies the Bresle test

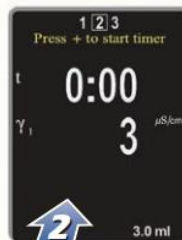


- ‘Bresle Mode’ prompts users through the Bresle Method
- Onscreen timer to track test time
- Automatic computation of surface density of salt in mg/m<sup>2</sup> or μg/cm<sup>2</sup>
- User-selectable test volume
- Includes Long Form Certificate of Calibration traceable to NIST
- Compatible with PosiSoft suite of reporting solutions
- Two year warranty

## Easy 1-2-3 Bresle Test



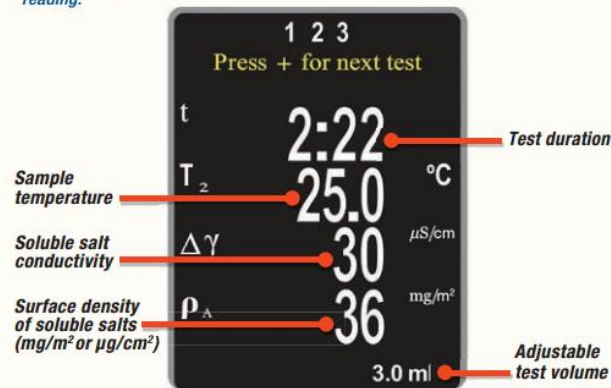
**Reference...**  
Fill the syringe with DI water. Take background reading.



**Sample...**  
Inject water into patch. Start timer.



**Record...**  
Withdraw, inject into PosiTector SST.



# PosiTector<sup>®</sup> SST – PosiPatch

The PosiPatch and Magnetic ring are an innovative improvement on conventional Bresle patches

- PosiPatch attaches to steel surfaces using a unique magnetic ring
- Automatic air removal through a watertight, air permeable membrane
- No sharps or needles- safe, flexible dispensing tip mates with the PosiPatch
- Reusable- save time and money



# PosiTector<sup>®</sup> SST – PosiPatch

**EMIN**  
Testing & Measuring Everything

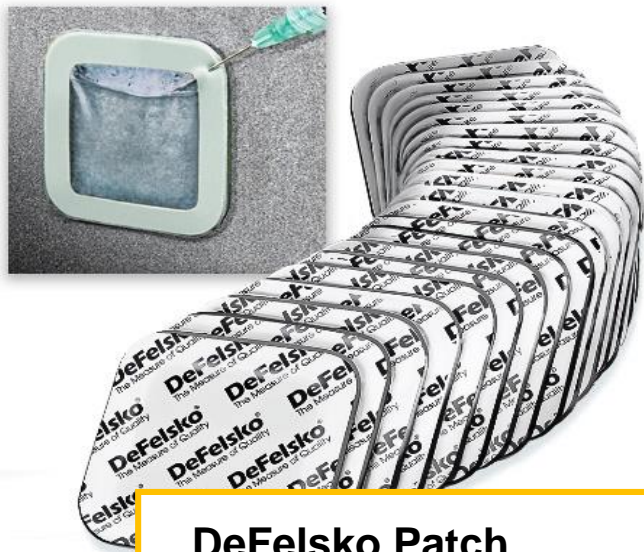
## Flexible magnetic ring

Suitable for diameters as low as 4"  
Uses the same flexible PosiPatch- ideal for pipelines, tanks, and other curved surfaces



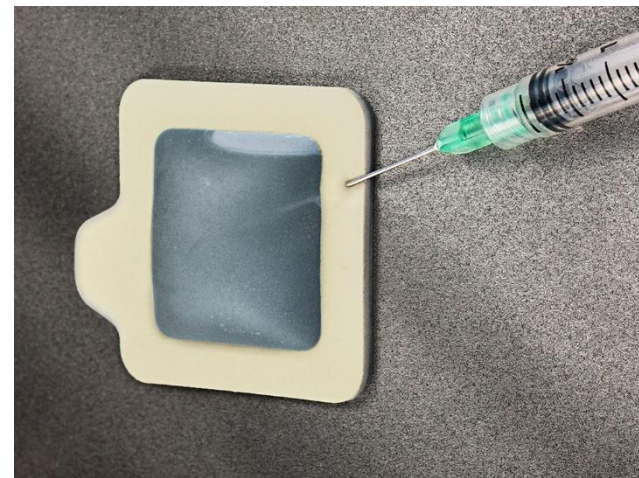


# PosiTector<sup>®</sup> SST – Adhesive Patches



## Latex Patch

- Strict conformance to ISO 8502-6
- Features a TearGuard layer for easy removal with minimal residue



## DeFelsko Patch

- Lower-cost than latex patch
- Low-tack adhesive for each patch removal and no residue to clean



# PosiTector<sup>®</sup> SST – How to Order

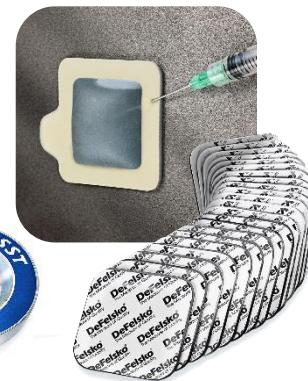
The PosiTector SST is available as a kit with a PosiTector SST probe, your choice of Bresle Method patch, and everything required to measure salt contamination.

Or, add a component from the PosiTector SST to your existing kit!

Update your conductivity meter with the PosiTector SST Probe



Or..



Update your Bresle method patch

# Abrasives Test Kit

**EMIN**  
Testing & Measuring Everything

Measures the concentration of water-soluble contaminants in blast cleaning abrasives



## Kit Contents

- 600 ml glass beaker
- 100 ml glass beaker
- 600 ml plastic beaker
- Plastic funnel
- 60 ml Certified Conductivity Standard
- 1 liter deionized water (type II)
- 100 circle filters (125 mm)
- Stainless steel mixing rod
- Instruction card
- Certificate of Analysis

# PosiTector SST – Competitive Advantages

- 'Bresle Mode' prompts users through the Bresle Method
- Onscreen timer to track test time
- Automatic computation of surface density of salt in mg/m<sup>2</sup> or µg/cm<sup>2</sup>



## PosiTector platform

- Fully interchangeable probes
- Often, competitive 'interchangeable' probes require specific body models
- Free software, and USB, WiFi, and Bluetooth

## DeFelsko probe technology

- Longer lasting
- Holds factory calibration
- No calibration adjustment (for most applications)

## Included Certificate of Calibration Traceable to NIST

- More than a 'Certificate of Accuracy'- contains measurements from the probe on traceable standards
- An extra charge (and delay) from most competitors

## Full two year warranty on body and probe

- Many competitors offer a much shorter warranty on the probe- the most important part

## DeFelsko service - quick shipping, recalibration, and repair