

Bresle Test

Many coatings fail due to salts such as chlorides and sulphates contaminating the surface prior to the coating application. This contamination can be tested quickly and simply using the Bresle Test.



The Bresle Test is one of the most popular tests for extracting and measuring the salt contamination on blast-cleaned substrates.

Easy to use, pour 10mls of distilled water into the beaker and determine the conductivity using the Conductivity Meter. Take a Bresle Patch and apply to the test surface. Fill the syringe with 2.5mls of test water and insert through the adhesive foam into the test chamber. Inject the contents, then extract back into the syringe. Repeat ten cycles of injecting and extracting, then transfer the test water back into the beaker. Measure the test water with the Conductivity Meter and deduct the initial conductivity reading from the result. Multiply the readings by 0.4 to give the quantity of salts in $\mu\text{g}/\text{cm}^2$ also known as ppm, or by 4 for the quantity of salts $\mu\text{g}/\text{m}^2$.

The maximum permissible surface density of salts on the steel surface prior to surface treatment depends on the type of paint to be applied and what the finished material or product is to be used for. Surface treatment specifications must, therefore, state the highest permissible surface density of salts for each particular application.

Calibration Certificates traceable to UKAS are available for the Conductivity Meter, and Conformance Certificates are available for the Bresle Patches.

Additional packs of Bresle Patches can be purchased to carry out further tests using this kit.

Supplied with 50 Bresle Patches, Conductivity Meter, Calibration Solution, 3 x 5ml Syringes, 25ml Beaker, 250ml Distilled Water and Carrying Case.

Complies with International Standards

ISO 8502-6	ISO 8502-9
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Bresle Test Kit Specifications

Part No	Patches Supplied	Conductivity Meter Range	Conductivity Meter Resolution	Conductivity Meter Accuracy	Conductivity Solution Cal Cert Part No	Bresle Patch Conformance Cert
P2004	50	0-199 $\mu\text{S}/\text{cm}$ 0.20-1.99mS/cm	1 $\mu\text{S}/\text{cm}$ 0.01mS/cm	$\pm 2\%$	NP001	NPC04
PS001	Bresle Patches (Pack of 50)					NPC04