

# Elcometer 1270/1 Ford Bath Immersion Test



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A tank, measuring 70 x 40 x 40cm (27.5 x 16 x 16”), fitted with a cover, a controlled heating device and a circulation pump, is used to assess the resistance of coatings, notably to blistering, when immersed in water.

Coated metal sheets are laid at an angle of 15° - 20° on a grooved bottom and fully immersed in deionised water, warmed at 40°, ± 1°C (104° F ± 2°F).

Once a predetermined time is reached, the samples are removed and the coating is inspected.

Supplied with an adjustable overheating safety system.

### Corrosion

One of the many tests described in International Standards for evaluating the corrosion performance of a material is the long-established salt spray test.

Developed several decades ago with the aim of simulating a corrosive marine environment, the procedure has, over the years, become a key tool for predicting the performance of a coating and is now one of the standard references used by industry today.

Modern quality demands and new research have shown that the results of these tests can be optimised when the salt spray is combined with other methods, which may be of a cyclical nature or more aggressive.

### At a glance

- *Test the resistance of coatings when immersed in water.*

Can be used in accordance with:	
ISO 2812-2	NFT 30 053-2
NF T 30 054	Renault RNUR 1327

Model	Description	Part Number		
		UK 240V	EUR 220V	US 110V
Elcometer 1270/1	Elcometer 1270 Ford Bath Immersion Test – Digital Control	K0UK1270M301	K0001270M301	K0US1270M301

## Related products



Elcometer 1200/4

A simple to use, continuous humidity chamber to meet the test conditions required by ISO 6270. The Elcometer 1200/4 is of a welded polypropylene tank construction. The PVC cover has two sides, each at an angle of 15 degrees to the horizontal and allows for up to 20 test panels to be tested.



Elcometer 1200

Designed to perform highly reproducible, constant humidity tests. Coated samples are placed into the chamber and, after a predetermined time, removed for inspection. The Elcometer 1200 Humidity Chamber is used to monitor a coating's resistance to corrosion, tropicalisation, blistering and other effects caused by humid environments.



Elcometer 1542

Simple but effective method for determining the adhesion of a large variety of coatings. The instrument is ideal for testing the adhesion of thin coatings on flat surfaces using the cross cut method, available with three different spacings 1, 2, and 3mm, corresponding to the thickness of layer to be tested.

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