

ACC49 – Sikkens® Scratch Tool

Meets standards: ISO 17872 (acc. to DIN ISO 9227) & ISO 12944-6: 2018

This scratching tool is specially designed to perform scribes on coated steel panels or test substrates prior to salt spray testing for example as described in ISO 9227.

As standard, the scratch tool is supplied with 3 tungsten carbide cutting blades:

- 1 blade @ 0.5mm thick, the Daimler Chrysler version
- 1 blade @ 1mm thick, the original Sikkens® version
- 1 blade @ 2mm thick, requirement for 2018 update of ISO 12944-6

The blade is positioned by an adjustable guide block to assist cutting a straight line. The guide block can be easily adjusted using the Allen keys provided. The tool features a soft grip ergonomically designed

handle for ease of use and is supplied in a carry case.

Procedure

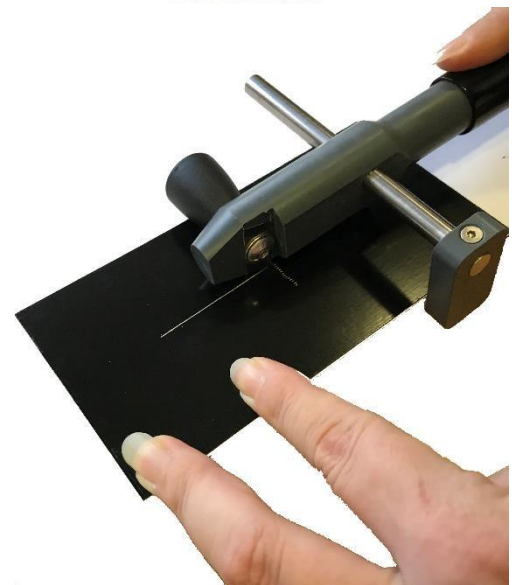
Ensure that the test panel is firmly secured while the scribe mark is being introduced to ensure uniform location and to prevent panel/tool slippage.

Use the scribing tool to introduce the scribe mark through the coating to the metallic substrate. When scribing, use the guide block to guide the scribing tool and use a continuous scribing action with uniform speed. Take care not to damage the surrounding coating whilst introducing the scribe mark.

It is preferable that the scribe mark be introduced through the coating to the metal substrate in one smooth action.

New scribing tools can be very sharp and it is recommended that they be conditioned prior to use on test pieces by carrying out at least 10 scribes. The scribing tool can become blunt with use and therefore the blade/point should be regularly inspected and sharpened or replaced periodically.

The edges of the scribe mark should be uniform and should completely penetrate the coating. Remove debris from the scribed mark.



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