

Protection upgraded

SurTec® 650 - Spot Test

For the Qualitative Determination of the SurTec 650-Layer

Background

On top of some alloys, especially on cast alloys with high silicon content, the SurTec 650 layer is maybe difficult to be seen. Rough surfaces can inhibit the iridescent effect of the layer as well.

The following spot test can be used to determine, whether a surface is coated with SurTec 650:

SurTec 650 Spot Test

Reagents:	SurTec 650 Indicator, Solution A SurTec 650 Indicator, Solution B pipette or cosmetic tip
Procedure:	<ol style="list-style-type: none">1. To 4 ml solution A (red solution) slowly add solution B dropwise (the reddish solution turns to dark blue).2. Only add as much solution B as is necessary to initiate the colour change. <i>(An excess will disturb the test!)</i>3. The so-produced blue solution is stable for only 20 minutes. <i>(It needs to be prepared freshly for each test!)</i>4. Moisten the surface to be tested with the dark blue solution, using a pipette or a cosmetic tip.
Evaluation:	A colour change from blue to yellow within 60 s at the latest indicates the SurTec 650 layer.
Hint:	The spot test for SurTec 650 is a destructive test method; however, the tested area can be re-passivated with a SurTec 650 Retouche Pen.

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