

Calibration certificate - Test report

according to EN 10204 – 3.1

Scope of delivery:

**Hoffmann TAM Panel, Part Number: PT-Guard
P&W TAM 146040-1 Approved**

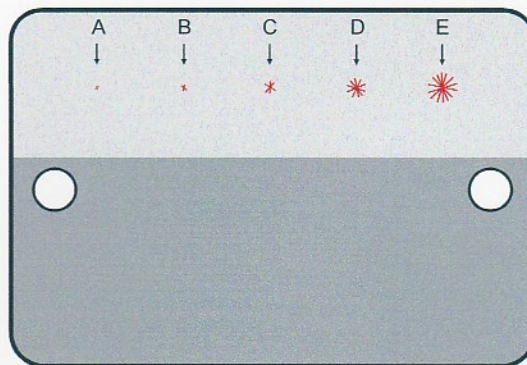
Serial number:






2016.06.8602

Test date:

29.06.2016

The Hoffmann TAM Panel is made from a stainless steel plate. Half of the test surface is 0.003" hard coated. Five crack centers are evenly spaced in the hard coated strip. The crack centers are circular patterns forming a star.



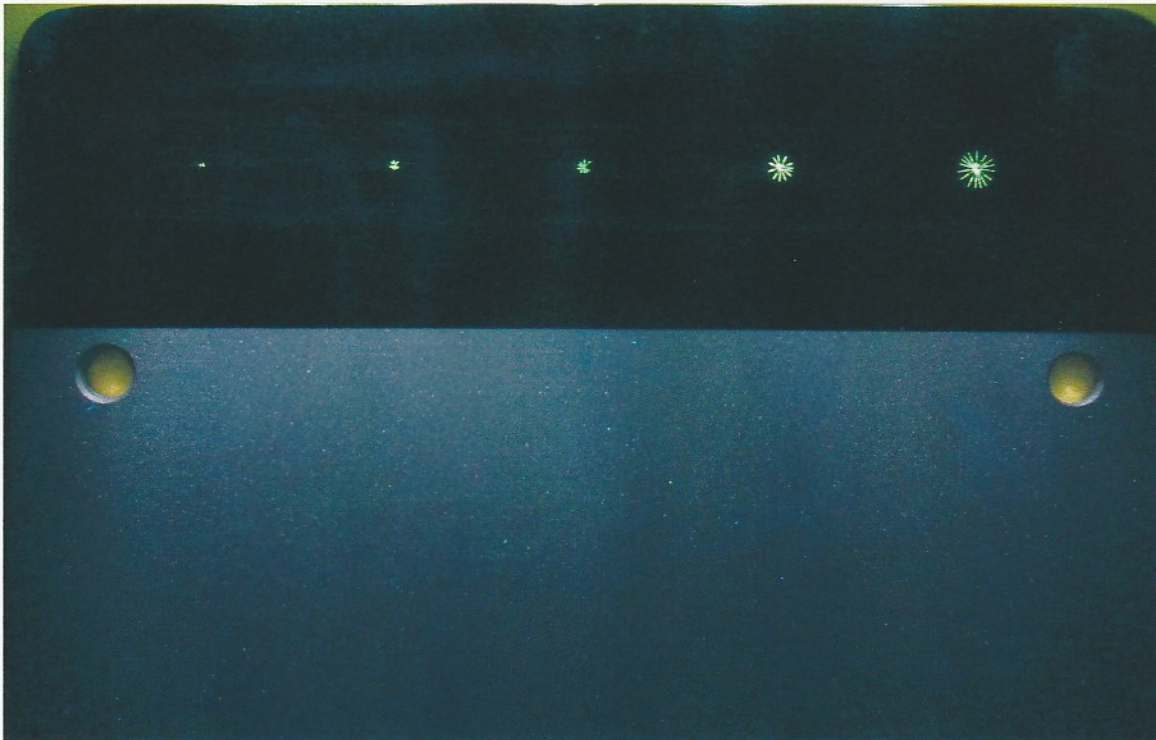
Crack no.	A	B	C	D	E
Photos: Magnification factor 1 : 2.6					
MEASURED SIZE	0,63 mm	1,33 mm	2,01 mm	3,83 mm	5,14 mm
SPECIFICATION	0,38 - 0,79 mm	1,17 - 1,57 mm	1,91 - 2,36 mm	3,18 - 4,34 mm	4,57 - 6,35 mm
MEASURED SIZE	.025 inches	.052 inches	.079 inches	.151 inches	.202 inches
SPECIFICATION	.015 - .031 inches	.046 - .062 inches	.075 - .093 inches	.125 - .171 inches	.180 - .250 inches

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Full size photo



For the full size photo, we have used the Penetrant Type I, the Method D and the Sensitivity level 4:

Penetrant:

Magnaflux Zyglon ZL-37 Post Emulsifiable Fluorescent Penetrant

Remover:

Magnaflux Zyglon ZR-10B (20%) Hydrophilic Remover

Dry Developer:

Magnaflux Zyglon ZP-4B Dry Powder Developer

For the measurement of diameter, we have used the Penetrant Type I, the Method D and the Sensitivity level 4:

Penetrant:

Magnaflux Zyglo ZL-37 Post Emulsifiable Fluorescent Penetrant

Remover:

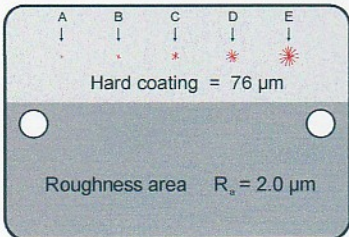
Magnaflux Zyglo ZR-10B (20%) Hydrophilic Remover

Dry Developer:

Magnaflux Zyglo ZP-4B Dry Powder Developer

crack depth	0.003" ± .00016"	76 µm ± 4 µm
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The unplated side is grit blasted to Ra = 2,0 roughness for washability / background test.

	Nominal roughness	R_a = 2,0 µm ± 0,3 µm
	Measured roughness	R_a = 2,1 µm

The Hoffmann TAM Panel is P&W TAM 146040-1 Approved.

Herewith we certify, that this Hoffmann TAM Panel has duly been tested and corresponds with the determinations described in Pratt and Whitney specification TAM 146040.

29.06.2016

Z. Hoffmann
Z. Hoffmann (Expert)