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IKA Report No. 18-0508-1

Metallographic Examination

Ordered by Sivan Elouz

Corrosion Protech
Tirat Carmel, Israel

05/03/18

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Results provided on this certified test report related only to item tested.

The sampling and all data concerning the sample have been performed/provided by the customer.

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1. Introduction

A panel made of ST-37 and coated with a "NFRA BASE" and "Tamaglass PE" was received for examination. (see Figure No. 1). The customer indicated that the part underwent a salt spray test for 3600 hours in accordance with ASTM B117.

We were requested to perform a metallographic examination in order to reveal if there is rust on the part's base metal.

2. Procedure

2.1 Microscopic Examination

Metallographic section was performed through the part in accordance with ASTM E 3-17 standard (see location of the section in Figure No. 1).

3. Test Results

Figure No. 2 shows the section. The examination was performed only at the marked side of the part (see Figure No. 1). No signs of rust were observed at the base metal of the part.

4. CONCLUSIONS

4.1 No signs of rust were observed at the base metal of the part.

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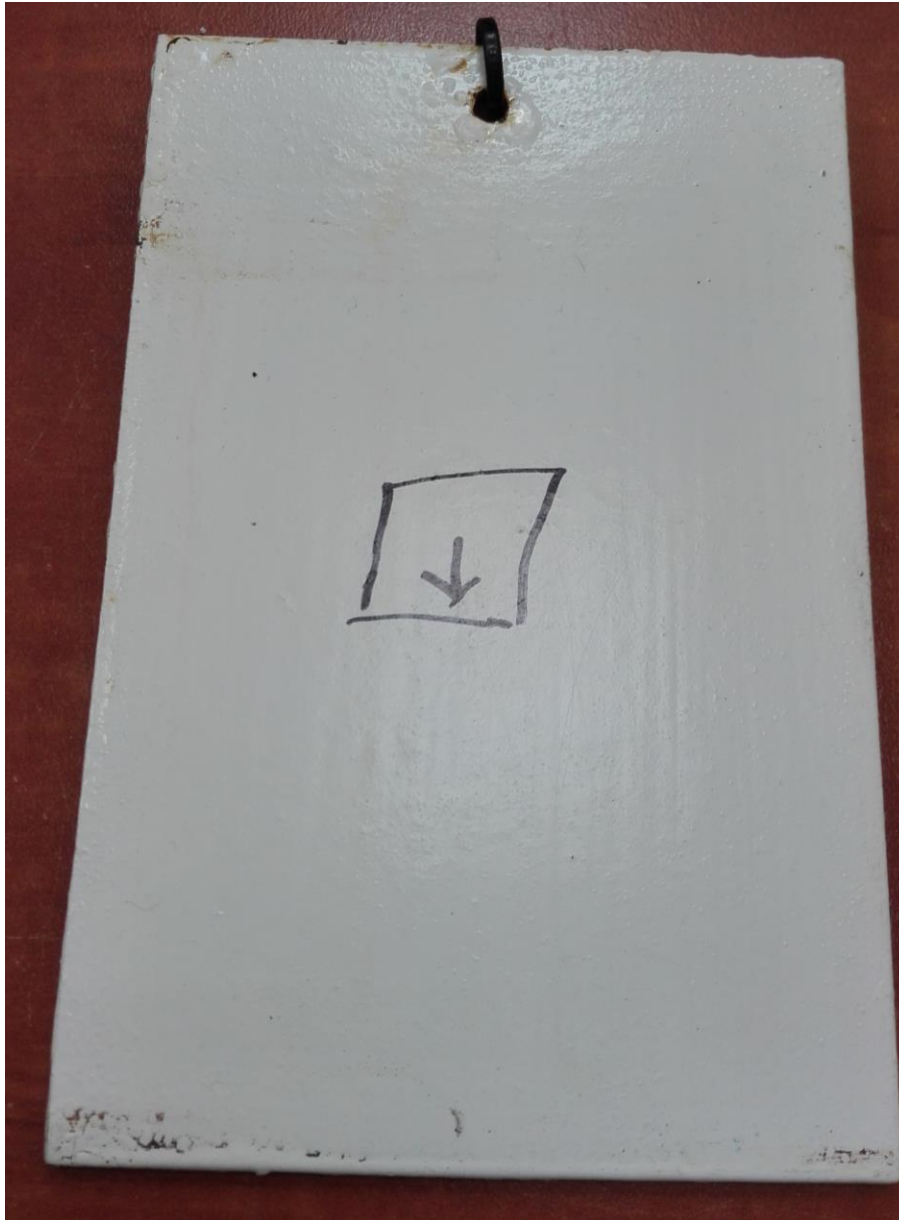


Figure 1

The part as received with the section mark

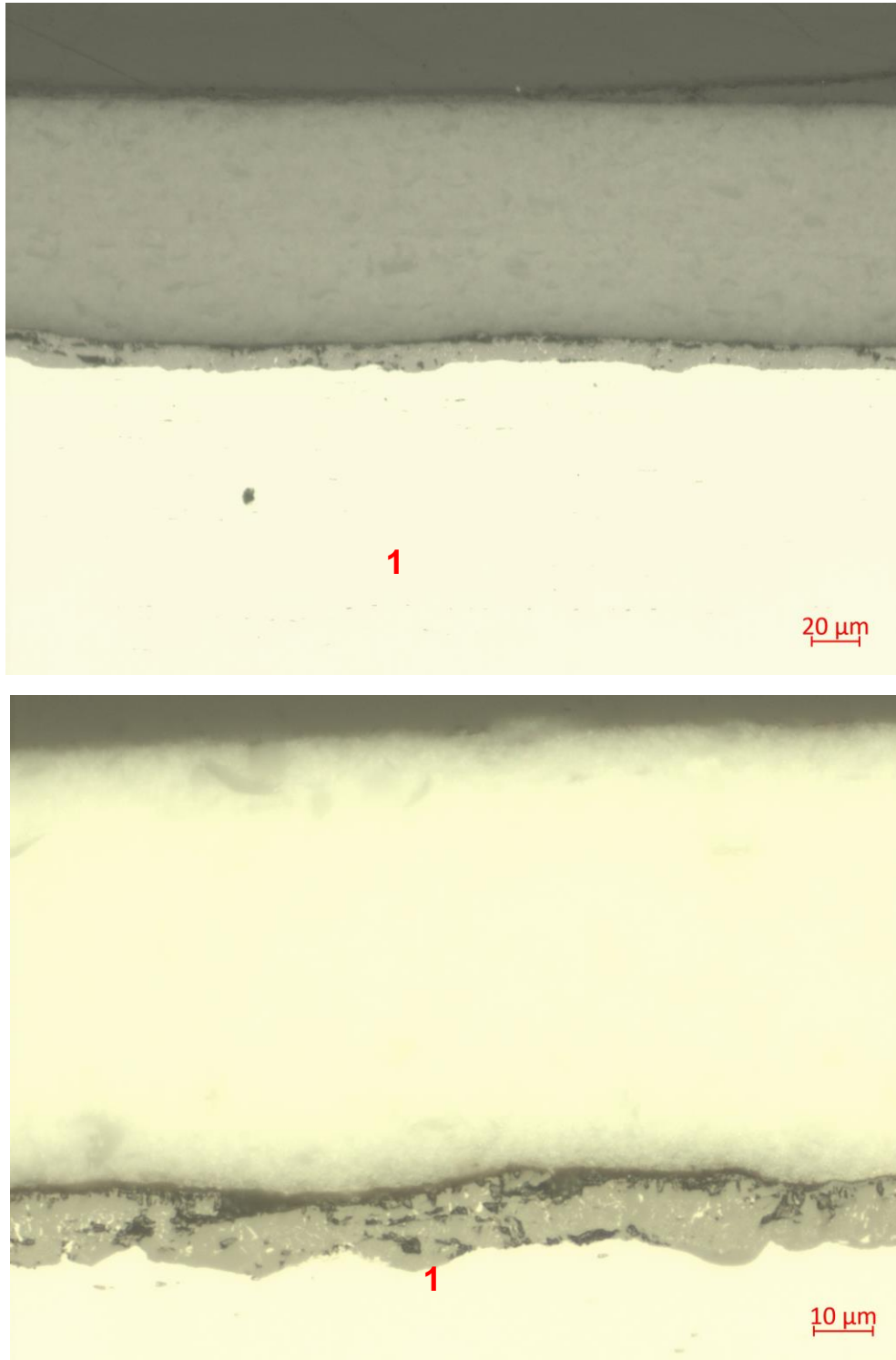


Figure 2

The metallographic section through the part, different magnifications

1- Base metal