Certificate of Accreditation

UKAS United Kingdom Accreditation Service

PRA World Ltd

Testing Laboratory No. 9943

Is accredited in accordance with International Standard ISO/IEC 17025:2017 – General Requirements for the competence of testing and calibration laboratories.

This accreditation demonstrates technical competence for a defined scope specified in the schedule to this certificate, and the operation of a management system (refer joint ISO-ILAC-IAF Communiqué dated April 2017). The schedule to this certificate is an essential accreditation document and from time to time may be revised and reissued.

The most recent issue of the schedule of accreditation, which bears the same accreditation number as this certificate, is available from www.ukas.com.

This accreditation is subject to continuing conformity with United Kingdom Accreditation Service requirements.

Matt Gantley, *Chief Executive Officer*
United Kingdom Accreditation Service

Initial Accreditation: 8 November 2017
Certificate Issued: 11 November 2021

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UKAS United Kingdom Accreditation Service

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Technical Report

Impact Resistance

For

Anhui HJ Tech Co., Ltd.

PRA Ref. Number	77780-1037c
Date Received	27 February 2023
Client	Anhui HJ Tech Co., Ltd #568 South Huizhou RD, Chuzhou City, Anhui Province, China FAO: Jason
Work Requested	Impact Resistance (BS EN ISO 6272-1)
Samples Submitted	3mm Coated Aluminium Panels
Work Carried out by	David Corrigan Senior Technician
Approved by	Dr Laura Pilon Authorised Signatory

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1 Introduction

Coated aluminium panels were submitted by the client for testing in accordance with the requirements of BS EN ISO 6272-1:2011. An evaluation of cracking at the points of impact were also made in accordance with BS EN ISO 4682-4:2016.

The panels were submitted with the following customer reference:-

1. **FUTURAL also known as HJ TECH PVDF Pre-coated Solid Aluminium**

Test results reported herein that are identified with a ‡ symbol are not UKAS accredited.

2 Results

2.1 Impact Resistance (BS EN ISO 6272-1:2011)

Panel Number	DFT (µm)	Impact 20N-m, 20mm indenter
Futural – 1(b)	33.6	5/5 - PASS
Futural – 2(b)	34.0	5/5 - PASS
Result		**PASS**

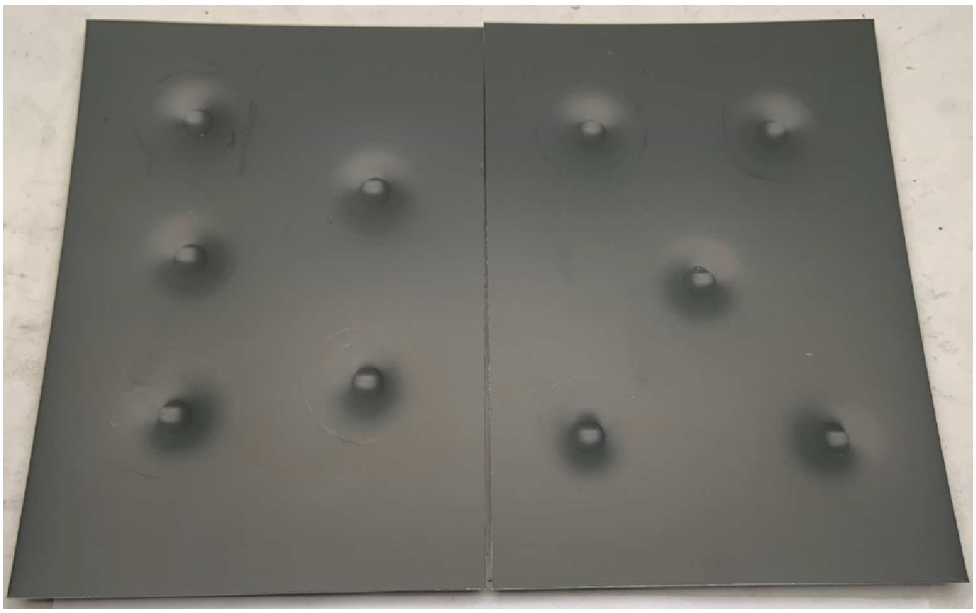

Figure 1 - Impact Resistance Panels 1(b) & 2(b)

2.2 Assessment of Cracking (BS EN ISO 4628-4:2016)

Panel Number	DFT (µm)	Assessment
Futural – 1(b)	33.6	5/5 – 0(S0)
Futural – 2(b)	34.0	5/5 – 0(S0)
Result		**PASS**

3 Test Procedures

3.1 Impact Resistance (BS EN ISO 6272-1:2011)

Impact resistance was measured according to BS EN ISO 6272-1:2011 using the pass/fail / classification method and a drop mass of 2 kg. Panels were supplied by the manufacturer and were conditioned at 23 °C/50%RH overnight before testing under the same conditions and were tested coating side up. The coating thickness was measured before testing according to BS EN ISO 2808-7C (eddy current). The drop height was 102 cm. Stops to limit the penetration depth were not used.

3.2 Assessment of Cracking (BS EN ISO 4628-4:2016)

Cracking of the coating was visually assessed against according to BS EN ISO 4628-4:2016. The coating was examined under standard lab lighting.

End of Report