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YS

**NONFERROUS METALS INDUSTRY STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

YS/T 429.2-2012

Replacing YS/T 429.2-2000

**Aluminum curtain wall panel. Part 2: Aluminum panel with
organic polymer coating**

铝幕墙板 第2部分有机聚合物喷涂铝单板

(English Translation)

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Foreword

YS/T 429 "aluminum curtain wall plate" is divided into two parts.

- Part 1. board base;
- Part 2. organic polymers spraying aluminum veneer.

This section YS/T 429 Part 2.

This section drafted in accordance with GB/T 1.1-2009 given rules.

The partial replacement of YS/T 429.2-2000 "aluminum curtain wall panels fluorocarbon paint aluminum veneer." this portion of YS/T 429.2-2000 compared to the main technical changes are as follows.

- Increased 8011A alloy grades four and fluorocarbon coating and powder coating species;
- Modifying pretreatment requirements before spraying;
- Increased fluorocarbon coating product hydrochloric acid resistance, mortar resistance performance requirements and test methods;
- Modified fluorocarbon coating thickness of the coating products, nitric acid resistance, solvent resistance, salt spray corrosion resistance and wet heat resistance properties Claim;
- Modified fluorocarbon coating products, impact resistance, to nitric acid resistance, solvent resistance, detergent resistance and resistance to salt spray corrosion test method;
- Modified aluminum veneer sampling provisions.

This section uses redrafted law reference AAMA2604.2005 "high performance organic coating performance requirements and test aluminum extrusions, sheet Test methods ", AAMA2605.2005" aluminum extrusions, ultra-high performance organic coating

performance requirements and test methods "sheet prepared organopolysiloxane Related Content compound spraying aluminum veneer. This portion AAMA2604.2005, AAMA2605.2005 non-degree of consistency Equivalent.

The non-ferrous metal part by the National Standardization Technical Committee (SAC/TC243) centralized.

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1 Scope

This section provides an organic polymer spraying aluminum curtain wall veneer of requirements, test methods, inspection rules, marking, packaging, transportation, storage and Quality certificate with your order (or contract) content.

This section applies to PVDF (polyvinylidene fluoride) or powder (thermosetting organic polymer) for surface coating of aluminum and aluminum curtain wall Gold monolayer forming plate (hereinafter referred to as aluminum veneer).

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein Member. For undated references, the latest edition (including any amendments) applies to this document.

GB/T 3199 aluminum and aluminum alloy products - Packing, marking, transportation and storage GB/T 3880.3 General industrial aluminum and aluminum alloy sheet, strip Part 3. size deviation GB 5237.4 Aluminum Profiles - Part 4. Powder coating profiles GB 5237.5 Aluminum Profiles - Part 5. PVDF coating profiles GB/T 8005.3-2008 aluminum and aluminum alloys - Terms - Part 3. Surface treatment GB/T 8013.3-2007 aluminum and aluminum anodized film and organic polymer coatings - Part 3. an organic polymer coating film GB/T 9761 Paints and varnishes - Visual comparison of the color GB/T 16865 wrought aluminum, magnesium and their alloys processed products and methods of the tensile test specimens YS/T 429.1 aluminum curtain wall base plate board

3 Terms and Definitions

GB/T 8005.3-2008, terms and definitions GB/T 8013.3-2007 defined apply to this document.

4.1.1 Grade, status, specifications

Grades, supply state, thickness, length, width, and board-based state should meet the requirements of Table 1. Demand side needs the other grades, state when, after consultation by both parties in the order (or contract) specifically indicated.