

ICS 87.040
CCS H 30

YS

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

YS/T 728-2016

Replacing YS/T 728-2010

**Acrilic electrodeposition paint for aluminium alloy extruded
profiles for architecture
(English Translation)**

Issued on: July 11, 2016

Implemented on: January 1, 2017

Issued by: Ministry of Industry and Information Technology

Table of Contents

Foreword

1 Scope

2 Normative references

3 Terms and definitions

Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009.

This standard replaces YS/T 728-2010 "aluminum building profiles with acrylic electrophoresis coating." This standard and YS/T 728-2010 Compared to the main technical changes are as follows.

- Modify the composition and viscosity of some electrophoretic coatings;
- Increased electrophoretic coating performance level;
- Increased electrophoretic coating of harmful solvents in the limited;
- Increasing the composite membrane UV salt spray joint test requirements;
- Alkali modified performance requirements;
- Added "electrophoretic coating type and characteristics of" an informative annex;
- Added "UV salt fog joint test method" informative appendix;
- Added "Alkali Corrosion Potential Detection" normative appendix.

This standard is proposed and managed by the National Nonferrous Metal Standardization Technical Committee (SAC/TC243).

The main drafting units of this standard. Tianjin Development Zone Ai Long Chemical Technology Co., Ltd., Jiangyin Hengxing Coating Co., Ltd., the national non-ferrous metals Quality Supervision and Inspection Center.

Participated in the drafting of this standard. Guangdong Jian Mei Aluminum Factory (Group) Co., Ltd., Zhaoqing Asia Aluminum Works Co., Ltd., Suzhou Robertskin Aluminum Co., Ltd., Guangdong Xingfa Aluminum (Jiangxi) Co., Ltd., Fujian Minfa Aluminum Co., Ltd., Fujian Nanping Aluminum Limited, Guangzhou Nonferrous Metal Research Institute, Zhaoqing City, MMS Decoration Materials Co., Ltd..

1 Scope

This standard specifies the requirements of the acrylic anode electrophoretic coating aluminum profiles, test methods, inspection rules, signs, packaging, transportation, loss, storage and quality certificate and contract (or purchase order) content.

This standard applies to the aluminum electrophoretic coating industry, without dilution of the original anode electrophoretic coating (hereinafter referred to as the stock solution).

2 Normative references

The following documents for the application of this document are essential. For dated references, only the dated version applies to this article. For undated references, the latest edition (including all amendments) applies to this document.

GB/T 601 chemical reagent standard titration solution preparation GB/T 1723 Determination of paint viscosity Sampling of raw materials for paints, varnishes and varnishes GB/T 3186-2006 Chemical products - Determination of density and relative density GB/T 4472-1984 GB/T 5206 Paints and varnishes - Terms and definitions GB/T 6461 Metallic substrates and metal and other inorganic coatings after corrosion test specimens and specimens of the rating Laboratory use specifications and test methods for analysis GB/T 6682-2008 GB/T 8005.3 aluminum and aluminum alloys term - Part 3. Surface treatment GB/T 8013.2 anodized aluminum and aluminum alloy films and organic polymer film Part 2. Anodized composite film GB/T 9750 paint product packaging logo GB/T 9758.1 Paints and varnishes - Determination of "soluble" metal content - Part 1. Determination of lead content Flame Atomic Absorption Spectroscopy and dithizone spectrophotometry GB/T 9758.4 Paints and varnishes - Determination of "soluble" metal content - Part 4. Determination of cadmium content Flame Atomic Absorption Spectroscopy and Polarography GB/T 9758.6 paints and varnishes - Determination of "soluble" metal content Part VI. The liquid part of the paint in the total content of chromium Determination of flame atomic absorption spectrometry GB/T 9758.7 Paints and varnishes - Determination of "soluble" metal content - Part VII - Pigment paints and water-dilutable paints Determination of mercury content in the liquid portion of the flameless atomic absorption spectrometry GB/T 10125 artificial atmosphere corrosion test salt spray test GB/T 13491 General principles of product packaging YS/T 242 dial and decorative aluminum and aluminum alloy plate HJ2537-2014 Environmental Labeling Product Technical Requirements Water-based paint

3 Terms and definitions

GB/T 8005.3 and GB/T 5206 define the following terms and definitions apply to this document.

Anode electrophoretic coating anodeelectrodeposition (electrophoretic) painting Use of an external electric field so that suspended in the electrophoresis liquid pigments and resins such as directional migration and deposition on the surface of the anodized coating