

UD Powder Coating

Product Description

UD series of powder coatings are mainly made of fluorocarbon resin for architectural application designed to meet the requirements of GB/T 5237.4 Class 3. Provide excellent gloss and color retention in service.

Film Appearance & Package

Gloss: low gloss range
Appearance effects: smooth and sanding texture,
Packing: 20Kgs. Carton boxes with double PE-bag.

For more information, please contact us.

Physical Data

Specific gravity: 1.3-1.7 (depending on color)
Dry flow ability: 120-160
Particle size: 100% < 160µm, according to requirement

Substrate & Preparation

Substrate: Aluminum profile
Preparation: Chromate

Curing Condition (Object Temperature)

-> Can be used such as IR, gas, hot convection drying path, oven and other ways of curing.

-> If use the gas oven to bake, combustion by-products will change the color of the film.

Recommended curing condition: Object temperature/time 210°C/15-20min

Application

- Do not mix this product with others
- The substrate must be properly pre-treated before use
- Manual or automatic electrostatic spraying can be used
- The film thickness should be determined according to the geometry and requirement of the coated object, and the performance should be evaluated when the film thickness is less than 60µm

黄山华佳表面科技有限公司

中国, 安徽省, 黄山市, 徽州区, 永佳大道 109#

电话: 0086 559-3515170 传真: 0086 559-3511660

网站: www.hjchem.com

Huangshan Huajia Surface Technology Co., Ltd

No. 109 Yongjia Ave., Huizhou Dist, Huangshan City, Anhui, PRC

Tel: 0086 559-3515170 Fax: 0086 559-3511660

www.hjchem.com

UD Powder Coating

Product Performance & Film Properties

PROPERTIES	TEST METHOD	CRITERIA
Film Thickness	ISO 2360	60-80um
Adhesion	ISO 2409	Class 0
Hardness	ISO 2815	≥80
Cupping Test	ISO 1520	≥5mm, slight cracking allowed
Bend Test	ISO 1519	≤3mm, slight cracking allowed
Salt Spray	ISO 9227	Chromium aluminum plate: Acetic acid salt spray 2000 hours - no corrosion more than 4mm from scribe
Impact Test	ISO 6272	≥2.5Nm
Humidity	ISO 6270	Chromium aluminum plate : 4000 hours – no blistering, shedding or other noticeable changes
Accelerated Weathering Test	GB/T 5237.4	4000h Q-Sun test ≥75% Gloss retention, $\Delta E \leq 3$
Florida Test	GB/T 5237.4	5 years Florida Exposure, gloss retention ≥50%, Color change Delta E meet the requirement of YS/T 680-2016;

Note: 1-All chemical and physical properties are laboratory test results (unless otherwise stated), and are for reference only in application. The performance still needs to depend on the final use environment of the product.
2-The substrate for the above chemical and physical tests is chromate aluminum plates, and all test plates are sprayed with a film thickness of 60 to 80 μm .

Storage Stability

Store in a cool ($\leq 25^{\circ}\text{C}$), dry warehouse, prevent direct sunlight, and should be isolated from fire source, away from heat source. Shelf life is 12 months from the date of production.

Safety Precaution

All dusts are respiratory irritants. Therefore, inhalation of the dust or of the vapour resulting from the cure should be avoided. Take step to prevent skin contact, but should contact occur, wash skin with soap and water. In case of eye contact flush immediately with clean water and seek medical advice. Dust and powder should not be allowed to build up on surface or ledge. Dust clouds of any finely divided organic material can be ignited with an electric spark or open flame. All equipment should be electrically earthed to prevent build up of static.

黄山华佳表面科技有限公司

中国, 安徽省, 黄山市, 徽州区, 永佳大道 109#

电话: 0086 559-3515170 传真: 0086 559-3511660

网站: www.hjchem.com

Huangshan Huajia Surface Technology Co., Ltd

No. 109 Yongjia Ave., Huizhou Dist, Huangshan City, Anhui, PRC

Tel: 0086 559-3515170 Fax: 0086 559-3511660

www.hjchem.com