

# SILKSTAR® 2000

Silicone Modified Polyester coating system



**Premium durability**  
**Excellent scratch resistance**  
**Lead-free & environmentally friendly**

SILKSTAR® 2000 is a silicone-protected polyester coil coating system, designed for use in architectural, residential, commercial and industrial applications.

- **20 Years Film Integrity**
- **15 Years Fading and Chalking Resistance**



The image is intended to represent typical end use only.

## Product Information

SILKSTAR® 2000, one of the high durable series, is a standard coil coating system designed exclusively for the metal construction industry. It is available in a wide variety of colors. SILKSTAR® 2000 series carries a 20 year warranty commitments for film integrity and 15-year for fading and chalking resistance under the general climatic conditions in Asia.

Warranty document of specific product is available for qualified applicator, upon end customer requirements.

SILKSTAR® 2000 is also available in our Cool Chemistry® series, which contain ceramic heat-reflective pigment technology. It can be combined with special effect, such as pearlescent pigments to provide a lustre appearance effect.

## Product composition

SILKSTAR® 2000 is a two-coat system, composed of a high performance silicone-modified polyester topcoat, over AkzoNobel's specified primer. The topcoat is formulated with proprietary resin and selective durable ceramic and inorganic pigments.

## Application

SILKSTAR® 2000 is factory-applied finish that is applied through roll coating to properly cleaned and pre-treated substrates, and then oven-baked to cure.

## Substrates

SILKSTAR® 2000 coating system can be applied to the following substrates: including Hot-Dipped Galvanized (HDG), Galvalume®, Galfan® and Aluminum.

## Storage, safety and disposal

Store in original container protected from direct sunlight in a dry, cool and well ventilated area.

The user and carrier shall ensure for the personal and environmental safety during the application and transportation in accordance to the product safety data sheets.

In order to protect the environment, any of the product waste and used container should all times comply to the requirements of environmental protection and waste disposal legislation and regional local authority requirements.

SILKSTAR® 2000 applied heat-reflective technology, which reflects more solar radiation, reducing the energy consumption of the building, thus lowering cooling costs. The colors of TSP>0.25 can be branded as "COOL CHEMISTRY®".

**COOL CHEMISTRY®**

## Contact Us

AkzoNobel Coatings (Jiaxing) Co. Ltd  
No. 1 Dongsheng Road  
Jiashan Economic Development Zone  
Jiaxing, Zhejiang 314100

T +86 573 84253001

E Coil.China@akzonobel.com

www.akzonobel.com/coilcoatings

## SILKSTAR® 2000 Typical parameters

<b>Dry Film Thickness</b>	Topside finish: Primer 5 um, topcoat 20~22 um Reverse side finish: Primer 5 um, backer 5 um
<b>Color</b>	Refer to the color card Color match service available Some bright color not available due to color retention requirement
<b>Gloss</b>	Typically 35+/-5, but are available in other range as per consumer's requirement
<b>Cross-Hatch Adhesion</b>	No paint removal
<b>T-bend Flexibility</b>	No loss of adhesion at 3T
<b>Reverse Impact resistance</b>	No paint removal at reverse impact of 9J
<b>Pencil Hardness</b>	≥2H (Chung Hwa 505 pencil for Coil coating hardness measurement)
<b>Solvent resistance</b>	Passes minimum of 100 double rubs of MEK soaked cloth
<b>Scratch resistance</b>	No film break at 1800g loading, tested by a needle scratcher
<b>Humidity resistance</b>	No blistering, cracking, peeling, loss of gloss or hardness change after 1000 hours exposure to >95% humidity at 40± 2°C (non-condensation humidity test chamber)
<b>Chemical resistance</b>	No obvious change after 24 hours immersion to a 5% hydrochloric acid solution No obvious change after 24 hours immersion to a 5% sodium hydroxide solution
<b>Water boiling resistance</b>	No gloss loss, color change, cracking, blistering or peeling after boiled at 100°C water for 2 hours
<b>Salt spray resistance</b>	Blistering no greater than 2S3. No other significant defects after neutral salt spray for 1000 hours
<b>Accelerated weathering</b>	Chalking no greater than grade 1 (#8 chalking grade as per ASTM D4214), no blistering, cracking and other significant defect after 2000 hours exposure using QUVA-340 bulbs



AkzoNobel is a leading global paints and coatings company and a major producer of specialty chemicals. Calling on centuries of expertise, we supply industries and consumers worldwide with innovative products and sustainable technologies designed to meet the growing demands of our fast-changing planet. Headquartered in Amsterdam, the Netherlands, we have approximately 46,000 people in around 80 countries, while our portfolio includes well-known brands such as Dulux, Sikkens, International, Interpon and Eka. Consistently ranked as one of the leaders in the area of sustainability, we are committed to making life more liveable and our cities more human.

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### Remarks:

1. Unless otherwise marked, the standard testing methods are as per GB/T 13448-2006; rating schemes of degradation of coats as per GB/T 1766-2008.
2. The typical parameters are based on premium quality HDG or Galvalume® substrate, 0.3~0.6mm gauge, and complete coating system to fulfill the standardized film thickness and cure condition.
3. Test results may vary with substrates and testing environments.
4. Metallic effect and printing paint will have a certain impact on durability due to the special pigments or coating structure. For more details, please contact with AkzoNobel.
5. The performance parameters are based on our lab testing and practical experiences over qualified substrates to illustrate typical performance only. We will not be liable for any responsibility, damages, losses or consequences beyond our control that the parameter sheet may lead to.