



## PRODUCT DATA SHEET

## KOSKOTE SAPE SERIES

# KOSKOTE SAPE SERIES (SUPERDURABLE GRADE) ( Polyester-TGIC Based Powder Coating )

### DESCRIPTION

KOSKOTE SAPE-Series is a superdurable types polyester powder coating gives decorative finishes provides excellent outdoor durability and resistance to yellowing on prolonged exposure to heat. This product specially designed to meet most stringent requirements for colour stability, gloss retention and corrosion protection therefore it is suitable for application to architectural work.

### PHYSICAL PROPERTIES

Appearance	: Free flowing fine powder
Colour	: Wide colour range.
Specific gravity	: 1.20 ~1.875 gm/cm <sup>3</sup> depend on colour.
Volume Solid	: 100%

### APPLICATION INSTRUCTION

Suitable for application by proprietary manual or automatic corona charging guns. Make sure the spray equipment it hoses, gun parts and hoppers are clean and free from defuse powder all the contact points should be maintained to ensure metal-to-metal ground. Voltage should be kept between 20~100kV. Spray booth and collection system should maintain to ensure sufficient air velocities.

### CURING SCHEDULE

Standard baking temperature : 10 minutes at 280°C (Metal temperature).



## PRODUCT DATA SHEET

## KOSKOTE SAPE SERIES

### COATING THICKNESS

Recommended Thickness : 60~80µm

### STORAGE & SHELF LIFE

It is recommended to store below 25°C in dry conditions. When stored under such conditions the shelf life is not exceeding 3 months from the date of manufacture.

### PHYSICAL COATING PERFORMANCE

Gloss : 25 - 95 ( ASTM D523 60° )  
Direct impact : No film removal, 1/10" distortion ( ASTM D2794 )  
Adhesion : Gt = 0 ( DIN 53151 ) 2mm.  
Conical mendrel bend : 5mm no detachment ( ASTM D522 )  
Pencil Hardness : H – 2H ( ASTM D3363 )

### PRE-TREATMENT

To achieved maximum coating performance type and quality of pre-treatment is essential. Tycal pre-treatment processes for the most frequently used substrates are:

Aluminium : Chromate conversion treatment

### ACCELERATED WEATHERING RESISTANCE

QUV A 340 nm (DIN EN ISO 11570) : 3000 hours – Pass  
Gloss Retention : >50%  
Delta E : < 8



## PRODUCT DATA SHEET

## KOSKOTE SAPE SERIES

### SALT SPRAY RESISTANCE

According to ASTM B117  
Meets 1.6mm maximum undercutting after 3000 hours.

### HUMIDITY RESISTANCE

According to ASTM D-2247 : Blistering not exceeding "few" no. 8 after 3000 hours.

### SOLVENTS & CHEMICALS RESISTANCE

Good resistance to common acids, alkalis and solvents at room temperature. It may be attacked by nitric acid, ketones and trichloroethylene. Refer to the information sheet " Chemical Resistance of Powder ".

\*\*\* All the film properties were determined using 60 - 80µm powder film over 0.5mm degreased Chromated Al test panels.

### HEALTHY & SAFETY

Avoid skin and eyes contact by wearing suitable overalls, gloves, goggles, etc. Spillage on the skin should immediately be removed by thorough washing with water and soap. Eyes should be well flushed with water and medical attention sought immediately.

### DISCLAIMER

The information in this data sheet is provided to the best of our knowledge. However, we have no control over either quality or condition of the substrate and other factor affecting the use and application of this product. Therefore, we cannot accept any liability whatsoever or howsoever arising from the performance of the product or for any loss or damage arising from the use of this product. We reserve the right to change the product data without notice.