



# Protective & Marine Coatings

# KEM-KROMIK™ 165 ALKYD FINISH

FORMERLY KNOWN AS SHERWIN A165

Revised 04/2019 Issue 1

## PRODUCT INFORMATION

<b>PRODUCT DESCRIPTION</b>		<b>RECOMMENDED PRIMERS</b>	
A Silicone alkyd high gloss finish		Kem-Kromik 671 Undercoat.	
<b>RECOMMENDED USE</b>		<b>PACKAGE</b>	
A high durability finish designed for external marine superstructure.		A single component material	
<b>RECOMMENDED APPLICATION METHODS</b>		<b>Pack Size:</b>	20 litre and 5 litre units
Airless Spray Conventional Spray Brush		<b>Weight:</b>	1.06kg/litre
<b>Recommended Thinner:</b> No 1		<b>Shelf Life:</b>	2 years from date of manufacture or 'Use By' date where specified.
<b>PRODUCT CHARACTERISTICS</b>			
<b>Flash Point:</b>	33°C		
<b>% Solids by Volume:</b>	51± 3% ASTM-D2697-03(2014)		
<b>Colour Availability:</b>	Limited range		
<b>VOC</b>			
384 gms/litre determined practically in accordance with UK Regulations PG6/23			
388 gms/litre calculated from formulation to satisfy EC Solvent Emissions Directive			
365 gms/kilo content by weight from formulation, to satisfy EC Solvent Emissions Directive			
<b>TYPICAL THICKNESS</b>			
<b>Dry film</b>	<b>Wet film</b>	<b>Theoretical coverage</b>	
35 microns	69 microns	14.6 m <sup>2</sup> /ltr*	
* This figure makes no allowance for surface profile, uneven application, overspray or losses in containers and equipment. Film thickness will vary depending on actual use and specification.			
<b>PRACTICAL APPLICATION RATES - MICRONS PER COAT</b>			
	<b>Airless Spray</b>	<b>Conventional Spay</b>	<b>Brush</b>
<b>Dry</b>	35*	35	35
<b>Wet</b>	69	69	69
*Maximum sag tolerance typically 50µm dry (98µm) wet by airless spray			
<b>AVERAGE DRYING TIMES</b>			
	<b>@ 15°C</b>	<b>@ 23°C</b>	
<b>To touch:</b>	3 hours	2 hours	
<b>To recoat:</b>	24 hours	16 hours	
<b>To handle:</b>	24 hours	16 hours	
These figures are given as a guide only. Factors such as air movement and humidity must also be considered.			



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### **SURFACE PREPARATION**

Ensure surfaces to be coated are clean, dry and free from all surface contamination.

### **APPLICATION EQUIPMENT**

#### **Airless Spray**

Nozzle size:	0.33mm (13 thou)
Fan Angle	65°
Operating Pressure:	155kg/cm <sup>2</sup> (2200psi)

The airless spray details given above are intended as a guide only. Details such as fluid hose length and diameter, paint temperature and job shape and size all have an effect on the spray tip and operating pressure chosen. However, the operating pressure should be the lowest possible consistent with satisfactory atomisation. As conditions will vary from job to job, it is the applicators' responsibility to ensure that the equipment in use has been set up to give the best results. If in doubt contact Sherwin-Williams.

#### **Conventional Spray**

Nozzle size:	1.27mm (50 thou)
Atomising Pressure:	3.50kg/cm <sup>2</sup> (50 psi)
Fluid Pressure:	0.70kg/cm <sup>2</sup> (10 psi)

The details of atomising pressure, fluid pressure and nozzle size are given as a guide. It may be found that slight variations of pressure will provide optimum atomisation in some circumstances according to the set up in use. Atomising air pressure depends on the air cap in use and the fluid pressure depends on the length of line and direction of feed i.e. horizontal or vertical.

#### **Brush**

The material is suitable for brush application.

### **APPLICATION CONDITIONS AND OVERCOATING**

This material should preferably be applied at temperatures in excess of 10°C. In conditions of high relative humidity, ie 80-85% good ventilation conditions are essential. Substrate temperature shall be at least 3°C above the dew point and always above 0°C.

At application temperatures below 10°C, drying times will be significantly extended, and spraying characteristics may be impaired.

Application at ambient air temperatures below 5°C is not recommended.

If it is desired to overcoat outside the times stated on the data sheet, please seek advice of Sherwin-Williams.

### **ADDITIONAL NOTES**

Keep containers covered when not in use to avoid skinning. Any skin that may form on the surface of the paint in the container should be removed carefully to avoid the necessity of sieving the paint.

Stir thoroughly before use to ensure complete mix. Avoid over stirring or continuous agitation.

Clean equipment as soon as possible as material is fairly quick drying.

Numerical values quoted for physical data may vary slightly from batch to batch.

### **HEALTH AND SAFETY**

Consult Product Health and Safety Data Sheet for information on safe storage, handling and application of this product.

### **WARRANTY**

Any person or company using the product without first making further enquiries as to the suitability of the product for the intended purpose does so at their own risk, and Sherwin-Williams can accept no liability for the performance of the product, or for any loss or damage arising out of such use.

The information detailed in this Data Sheet is liable to modification from time to time in the light of experience and of normal product development, and before using, customers are advised to check with Sherwin-Williams, quoting the reference number, to ensure that they possess the latest issue.