



# Protective & Marine Coatings

## SHERWIN™ C530 ALKYD FINISH

FORMERLY KNOWN AS LEIGHS C530

Revised 04/2016 Issue 8

### PRODUCT INFORMATION

#### PRODUCT DESCRIPTION

A high quality single pack alkyd gloss finish.

#### RECOMMENDED USE

For interior and exterior surfaces, ideally suited for equipment manufacturers and for structural steelwork. Possesses excellent gloss and colour retention and outstanding durability.

#### ENDORSEMENTS

BS476 Part 7 - Surface Spread of Flame material - For details of substrate/scheme, consult Sherwin-Williams.

#### RECOMMENDED APPLICATION METHODS

Airless Spray  
Conventional Spray  
Brush  
Roller

**Recommended Thinner:** Cleanser/Thinner No. 1

#### PRODUCT CHARACTERISTICS

**Flash Point:** 39°C

**% Solids by Volume:** 50 ± 3% (ASTM-D2697-91)

**Pot Life:** 2½ hrs @ 15°C 1½ hrs @ 23°C 1 hr @ 35°C

**Colour Availability:** Full Range

#### VOC

385 gms/litre determined practically in accordance with UK Regulations PG6/23  
419 gms/litre calculated from formulation to satisfy EC Solvent Emissions Directive  
352 gms/kilo content by weight from formulation, to satisfy EC Solvent Emissions Directive

#### RECOMMENDED THICKNESS

Dry film thickness	Wet film thickness	Theoretical coverage
30 microns	60 microns	17.0m <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

#### PRACTICAL APPLICATION RATES - MICRONS PER COAT

	Airless Spray	Conventional Spray	#Brush	#Roller
Dry	45*	30	15 - 30	15 - 25
Wet	90	60	30 - 60	30 - 50

\* Maximum sag tolerance with overlap typically 100µm wet (50µm dry) by airless spray.

# The actual thickness within the quoted range will depend on many variables including ambient conditions, type of brush or roller used and operator expertise. To ensure full obliteration and maximum opacity, the appropriate undercoat or primer shade should be used.

#### AVERAGE DRYING TIMES

	@ 15°C	@ 23°C
To touch:	4 hours	2 hours
To recoat:	5 hours	3 hours
To handle:	5 hours	3 hours

*These figures are given as a guide only. Factors such as air movement and humidity must also be considered.*

#### RECOMMENDED UNDERCOAT

Sherwin M671 Undercoat.

#### RECOMMENDED TOPCOATS

Not normally required but may be overcoated with itself or other white spirit based finishes.

#### PACKAGE

Single component material.

<b>Pack Size:</b>	20 litre and 5 litre units.
<b>Weight:</b>	White 1.14 kg/litre (may vary with shade).
<b>Shelf Life:</b>	2 years from date of manufacture or 'Use By' date where specified.



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### PRODUCT INFORMATION

#### **SURFACE PREPARATION**

Ensure surfaces to be coated are dry and free from all visible traces of surface contaminants.

#### **APPLICATION EQUIPMENT**

##### **Airless Spray**

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

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 Sherwin-Williams should be consulted

##### **Conventional Spray**

Nozzle Size:	1.27mm (50 thou)
Atomising Pressure:	3.5kg/cm <sup>2</sup> (50 psi)
Fluid Pressure:	0.7kg/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.

For application by conventional spray, thin up to 5% with Cleanser/Thinner No.1. Wet film thickness should be adjusted accordingly.

NB - Thinning will affect VOC compliance.

##### **Brush**

The material is suitable for brush application.

##### **Roller**

The material is suitable for roller application.

#### **APPLICATION CONDITIONS AND OVERCOATING**

In conditions of high relative humidity, i.e. 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.

#### **ADDITIONAL NOTES**

This material is somewhat thixotropic to enable easy brush application. 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.

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.