

## **TMC HALLCREST**

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### **TECHNICAL DATA SHEET**

#### **1. IDENTIFICATION SC458**

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<b><u>2. INITIAL COLOUR</u></b>	<b>Green</b>	<b>PAINT TYPE</b>	<b>SINGLE CHANGE PAINT</b>
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<b>3. A COLOUR CHANGE CAN BE DETERMINED AFTER 10 MINUTES HEATING @</b>	<b>458</b>
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<b>4. ESTIMATED HIGHEST TEMPERATURE THE PAINT CAN BE SUBJECTED TO WITHOUT A COLOUR CHANGE</b>	<b>180</b>
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#### **5. TECHNICAL DETAILS**

Vehicle Type :	Acrylic
Coverage	6
Solvent	PMA
Average Drying Time	1st Coat touch dry in 15 -50 minutes. Allow a min. of 20 minutes before test.
Weathering	This paint has good weathering resistance and may be used in arduous environments.
Flash Point (Pensky - Martin Closed Cup):	33 °C
%Solids by Weight	39%

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#### **6. APPLICATION DETAILS**

Apply to a blast cleaned and de-greased surface, no primer is necessary. Apply one coat, allowing to touch dry to 15-30 minutes.

Best thermal mapping is achieved by an even coat of paint. The preferred application method is spraying. The paint may be thinned to spraying viscosity by the further addition of thinners.

Removal of the paint can be achieved by using solvents or an abrasive disc.

<b>7. COLOUR CHANGES:</b>	<b>INITIAL COLOUR</b>	<b>Green</b>
1	White	

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**SC458****TMC***Hallcrest*

# CALIBRATION REPORT

*OLD NAME SC 430*

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CHANGE No. 1	White	1 MINUTES	549 °C
CHANGE No. 1	White	2 MINUTES	513 °C
CHANGE No. 1	White	5 MINUTES	478 °C
CHANGE No. 1	White	10 MINUTES	458 °C
CHANGE No. 1	White	20 MINUTES	440 °C
CHANGE No. 1	White	30 MINUTES	429 °C
CHANGE No. 1	White	60 MINUTES	411 °C
CHANGE No. 1	White	120 MINUTES	394 °C
CHANGE No. 1	White	180 MINUTES	385 °C
CHANGE No. 1	White	240 MINUTES	378 °C
CHANGE No. 1	White		

**COMMENTS**

The above information is obtained through work conducted with a calibration rig specifically developed in the aerospace industry for colour change paints used in non-destructive testing.

This information is correct as at Issue Date, but as products are subject to revision, the information contained herein should not be relied upon by individual customers unless specifically confirmed by us on the placing of an order. If necessary please contact supplier for further details on full calibration data.

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		300 MINUTES	373 °C
CHANGE No. 1	White		
		600 MINUTES	343 °C
CHANGE No. 1	White		
		1200 MINUTES	329 °C
CHANGE No. 1	White		
		10320 MINUTES	300 °C

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