

TMC HALLCREST

Riverside Buildings, Dock Road,

Connahs Quay, Flintshire, CH5 4DS, UK

Telephone: 44(0) 1244 818348 Fax: 44 (0) 1244 818502

E-Mail: sales@t-m-c.com

TECHNICAL DATA SHEET

1. IDENTIFICATION SC447

<u>2. INITIAL COLOUR</u>	Green	PAINT TYPE	SINGLE CHANGE PAINT
---------------------------------	--------------	-------------------	----------------------------

3. A COLOUR CHANGE CAN BE DETERMINED AFTER 10 MINUTES HEATING @ 447°C

4. ESTIMATED HIGHEST TEMPERATURE THE PAINT CAN BE SUBJECTED TO WITHOUT A COLOUR CHANGE Not determined in excess of 150 hours

5. TECHNICAL DETAILS

Vehicle Type :	Acrylic
Coverage	6
Solvent	PMA
Average Drying Time	1st Coat touch dry in 15 -50 minutes. Allow minimum 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):	31 °C
%Solids by Weight	37%

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.

7. COLOUR CHANGES:	INITIAL COLOUR	Green
1	Salmon Pink	

SC447**TMCHallcrest**

CALIBRATION REPORT

OLD NAME O/A 121

CHANGE No. 1	Salmon Pink	10 MINUTES	447 °C
CHANGE No. 1	Salmon Pink	20 MINUTES	429 °C
CHANGE No. 1	Salmon Pink	30 MINUTES	419 °C
CHANGE No. 1	Salmon Pink	60 MINUTES	403 °C
CHANGE No. 1	Salmon Pink	120 MINUTES	387 °C
CHANGE No. 1	Salmon Pink	180 MINUTES	378 °C
CHANGE No. 1	Salmon Pink	240 MINUTES	372 °C
CHANGE No. 1	Salmon Pink	300 MINUTES	367 °C
CHANGE No. 1	Salmon Pink	600 MINUTES	352 °C
CHANGE No. 1	Salmon Pink	1200 MINUTES	339 °C
CHANGE No. 1	Salmon Pink		

		1500 MINUTES	334 °C
CHANGE No. 1	Salmon Pink		
		1800 MINUTES	330 °C
CHANGE No. 1	Salmon Pink		
		2400 MINUTES	325 °C
CHANGE No. 1	Salmon Pink		
		3000 MINUTES	321 °C

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.

Please note we do not have definitive data on very long exposure times to temperatures for more than 150 hours. While the paint remains green after 150 hours at temperatures upto 300C we have seen a colour change to yellow created at temperatures as low as 150-170°C after weeks of exposure.