

TMC HALLCREST

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TECHNICAL DATA SHEET

1. IDENTIFICATION MC150-12

2. INITIAL COLOUR Plum PAINT TYPE MULTI CHANGE

3. A COLOUR CHANGE CAN BE DETERMINED AFTER 10 MINUTES HEATING @ 150

4. ESTIMATED HIGHEST TEMPERATURE THE PAINT CAN BE SUBJECTED TO WITHOUT A COLOUR CHANGE 100

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):	35 °C
%Solids by Weight	43%

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. It is desirable to pre-heat the paint before conducting the test by raising the surface temperature to 250°C, this in effect dries off the solvent and fuses the paint to the surface, giving a perfect bonding. Removal of the paint can be achieved by using solvents or an abrasive disc.

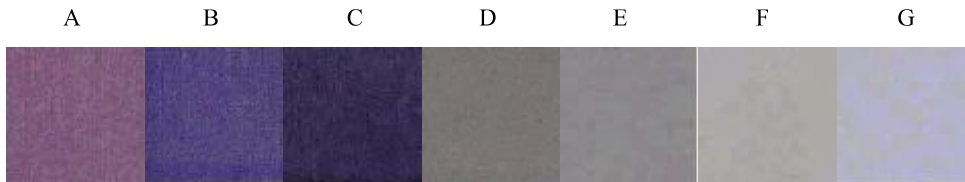
7. COLOUR CHANGES: INITIAL COLOUR Plum

1	PURPLE
2	GREY LILAC
3	PALE GREY LILAC
4	LILAC
5	PALE GREY
6	BLUE GREY
7	PALE BLUE
8	PALE VIOLET
9	PURPLE
10	VIOLET
11	DARK BLUE
12	MATT DARK

MC150-12 THERMAL INDICATING PAINT

DEFINITION

- A PLUM
- B PURPLE
- C GREY LILAC
- D PALE GREY LILAC
- E LILAC
- F PALE GREY
- G BLUE GREY
- H PALE BLUE
- I PALE VIOLET
- J PURPLE
- K VIOLET
- L DARK BLUE
- M MATT DARK



TRANSITIONAL COLOUR CHANGE OF THERMAL INDICATING PAINT

Table of temperature and colour density for each colour transition

		A	B	C	D	E	F	G
5min	°C	<170	170	290	330	360	550	640
	Density	0.93M	1.08C	0.98V	0.91V	0.75V	0.52V	0.42C

		H	I	J	K	L	M
5min	°C	N/A	830	890	990	1010	1140
	Density		0.53C	0.54C	0.75C	1.00C	1.18C

Colour Density: The spectral density of the paint after heating, measured with an X-Rite spectrodensitometer

Colour Density Prefix: The spectral density prefix from the spectrodensitometer. There are four prefixes:
C = Cyan ; M = Magenta ; V = Violet; Y= Yellow