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 **MC153-14**

2.INITIAL COLOUR **Plum** **PAINT TYPE** **MULTI CHANGE**

3.A COLOUR CHANGE CAN BE DETERMINED AFTER 10 MINUTES HEATING @ **153**

4.ESTIMATED HIGHEST TEMPERATURE THE PAINT CAN BE SUBJECTED TO WITHOUT A COLOUR CHANGE **120**

5. TECHNICAL DETAILS

Vehicle Type :	**Acrylic**
Coverage	**6**
Solvent___	**PMA**
Average Drying Time	**1st Coat touch dry in 15 -50 minutes. Allow minmum 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):	**32 ºC**
%Solids by Weight	**57%**

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.

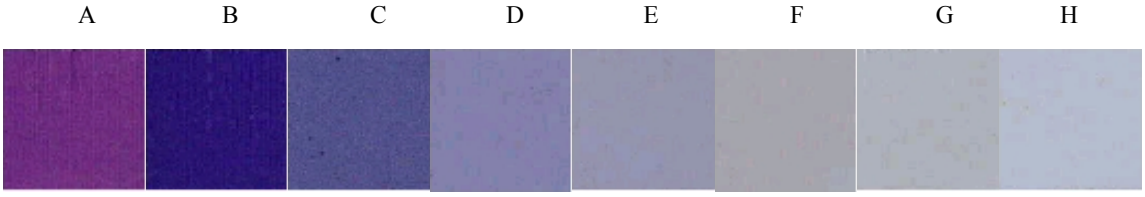
7. COLOUR CHANGES: INITIAL COLOUR Plum

1	PURPLE
2	VIOLET
3	MEDIUM VIOLET
4	GREY
5	WARM GREY
6	LIGHT GREY
7	LILAC GREY
8	PALE PURPLE
9	MAUVE
10	VIOLET GREY
11	VIOLET BLUE
12	VIOLET
13	MATT BLACK
14	MATT GLAZE
15	FULL GLAZE

MC153-14 THERMAL INDICATING PAINT

DEFINITION

A PLUM (original colour)
B PURPLE
C VIOLET
D MEDIUM VIOLET
E GREY
F WARM GREY
G LIGHT GREY
H LILAC GREY
I PALE PURPLE
J MAUVE
K VIOLET GREY
L VIOLET BLUE
M VIOLET
N MATT BLACK
O MATT GLAZE
P FULL GLAZE



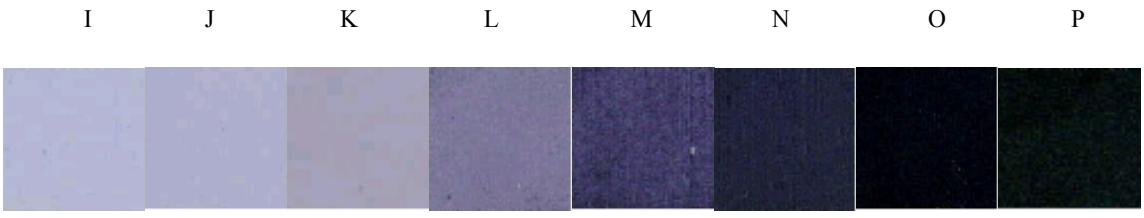


Table of temperature and colour density for each colour transition

		A	B	C	D	E	F	G	H
5min	^{o}C	<160	160	250	300	360	500	600	650
	Density	1.20M	1.40C	0.97C	0.72C	0.65M	0.55V	0.47V	0.44C

		I	J	K	L	M	N	O	P
5min	^{o}C	750	880	900	980	1000	1010	1080	1240
	Density	0.47C	0.53C	0.55C	0.69C	1.26C	1.29C	1.75C	1.55V

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