TMC HALLCREST
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TECHNICAL DATA SHEET

1. IDENTIFICATION **MC520-7**

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

3.A COLOUR CHANGE CAN BE DETERMINED AFTER 10 MINUTES HEATING @ **520**

4.ESTIMATED HIGHEST TEMPERATURE THE PAINT CAN BE SUBJECTED TO WITHOUT A COLOUR CHANGE **495**

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):	**30 ºC**
%Solids by Weight	**47%**

6. APPLICATION DETAILS

Apply to a blast cleaned and de-greased surface, no primer is necessary. Apply first 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 Purple

1	**Grey**
2	**Blue**
3	**Violet**
4	**Purple**
5	**Matt Black**
6	**Dark Blue Glaze**
7	**Matt Glaze**

MC520-7 THERMAL INDICATING PAINT

DEFINITION

A MAUVE (Original colour)
B GREY
C BLUE
D VIOLET
E PURPLE
F MATT BLACK
G GLAZE DARK BLUE
H MATT GLAZE

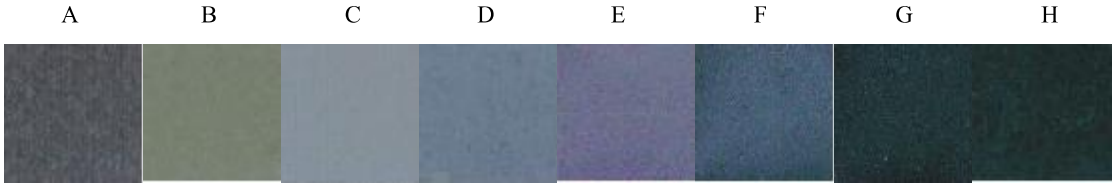

Table of temperature and colour density for each colour transition

		A	B	C	D	E	F	G	H
5min	^{o}C	<570	570	630	850	970	1050	1110	1270
	Density	1.03V	0.81V	0.67V	0.84C	0.91C	1.04C	1.54V	1.60V

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