

TMC HALLCREST

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TECHNICAL DATA SHEET

1. IDENTIFICATION MC400-8

<u>2. INITIAL COLOUR</u>	Orange / Red	PAINT TYPE	MULTI CHANGE
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3. A COLOUR CHANGE CAN BE DETERMINED AFTER 10 MINUTES HEATING @

4. ESTIMATED HIGHEST TEMPERATURE THE PAINT CAN BE SUBJECTED TO WITHOUT A COLOUR CHANGE	230
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5. TECHNICAL DETAILS

Vehicle Type :	Acrylic
Coverage	6
Solvent	2-Methoxy-1-Methylethylacetate (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 °C
%Solids by Weight	49%

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	Orange / Red
1	Orange	
2	Orange Yellow	
3	Yellow	
4	Khaki	
5	Olive Green	
6	Olive Drab	
7	Olive Drab & Black	
8	Matt Black	

MC400-8 THERMAL INDICATING PAINT

DEFINITION

- A** RED-Initial colour
- B** ORANGE
- C** ORANGE YELLOW
- D** YELLOW
- E** KHAKI
- F** OLIVE GREEN
- G** OLIVE DRAB
- H** OLIVE DRAB& BLACK
- I** MATT BLACK

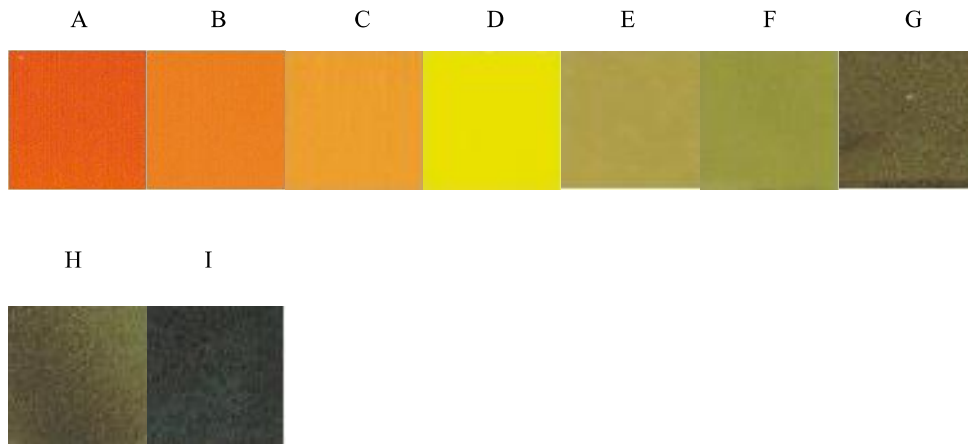


Table of temperature and colour density for each colour transition

		A	B	C	D	E	F	G	H	I
5min	°C	<400	400	480	550	760	830	950	1040	1140
	°F	<752	752	896	1022	1400	1526	1742	1904	2084
	Density	1.39Y	1.22Y	1.17Y	1.10Y	0.89Y	1.20Y	1.15Y	1.00V	1.17V

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