

## **TMC HALLCREST**

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### TECHNICAL DATA SHEET

1. IDENTIFICATION **MC470-9**

2. INITIAL COLOUR **Orange / Red** PAINT TYPE **MULTI CHANGE**

3. A COLOUR CHANGE CAN BE DETERMINED AFTER 10 MINUTES HEATING @ **490**

4. ESTIMATED HIGHEST TEMPERATURE THE PAINT CAN BE SUBJECTED TO WITHOUT A COLOUR CHANGE **300**

### 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	59%

### 6. APPLICATION DETAILS

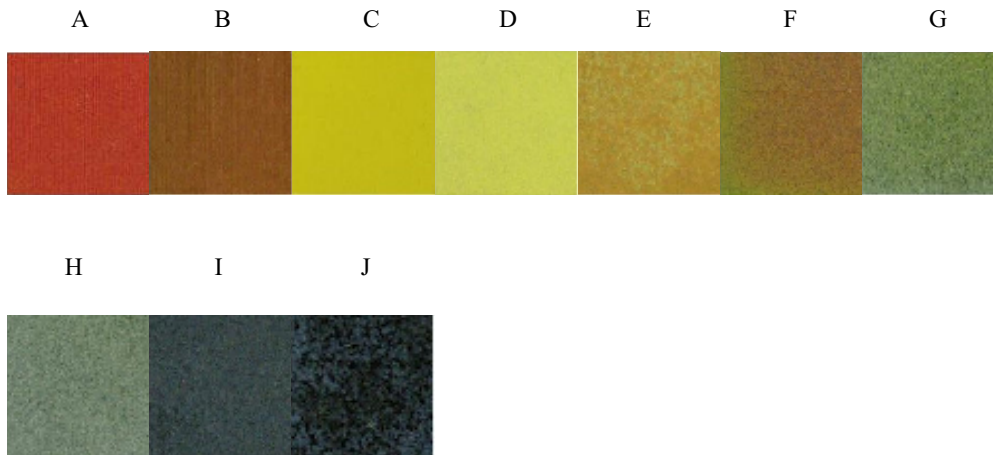
Apply to a blast cleaned and de-greased surface, no primer is necessary. Apply first coat, allowing to touch dry to 15-30 minutes.  
Best thermal mapping is achieved by an even coat of paint. The preferred application method is spraying.  
The paint may

7. COLOUR CHANGES:	INITIAL COLOUR	Orange / Red
1	BROWN	
2	YELLOW	
3	GREEN	
4	ORANGE	
5	MOTTLED RED	
6	GREEN GREY	
7	GREY	
8	MATT BLACK	
9	GLAZE	

# MC470-9 THERMAL INDICATING PAINT

## **DEFINITION**

- A** RED-Initial colour
- B** BROWN
- C** YELLOW
- D** GREEN
- E** ORANGE
- F** MOTTLED RED
- G** GREEN GREY
- H** GREY
- I** MATT BLACK
- J** GLAZE



## **Table of temperature and colour density for each colour transition**

		<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>	<b>G</b>	<b>H</b>	<b>I</b>	<b>J</b>
<b>5min</b>	°C	<470	470	600	750	850	990	1060	1120	1200	1210
	Density	1.44Y	1.40Y	1.21Y	0.77Y	1.0Y	1.18Y	1.0Y	0.81V	1.13V	1.32V

*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