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 **MC232-2**

2.INITIAL COLOUR **Greenish White** **PAINT TYPE** **MULTI CHANGE PAINT**

3.A COLOUR CHANGE CAN BE DETERMINED AFTER 10 MINUTES HEATING @ **232**

4.ESTIMATED HIGHEST TEMPERATURE THE PAINT CAN BE SUBJECTED TO WITHOUT A COLOUR CHANGE **160**

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	**Not suitable for out door use.**
Flash Point (Pensky - Martin Closed Cup):	**33 ºC**
%Solids by Weight	**38%**

6. APPLICATION DETAILS

Apply directly to a well cleaned bare surface, no primer coat is necessary for normal tests, however, should it be required for long term use, then a primer, recommended type being a zinc based primer, should be used. Blast cleaning and de-greasing of the surface is preferred for long term use. After applying first coat, allow the surface to touch dry, which is approximately 20 minutes.
The 1st. colour change disappears after 1 hour as it is obscured by the second colour change. This first colour change is not very sharp. When specifying for outside use, the standard formulation would have to be supplemented with a high temperature resin.

7. COLOUR CHANGES: **INITIAL COLOUR Greenish White**

1	**Light Grey**
2	**Dark Grey**

MC232-2 THERMAL INDICATING PAINT

DEFINITION

A GREENISH WHITE-*Initial colour*
B LIGHT GREY
C DARK GREY
D DUSTY GREY

A B C D

Table of temperature and colour density for each colour transition

		A	B	C	D
5min	^{o}C	<200	200	220	280
	^{o}F	<392	392	428	536
	Density	0.29V	0.43V	0.70V	0.68V

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