

DURAMASTIC MIO

PRODUCT DESCRIPTION: Duramastic MIO is a two-pack surface tolerant, high solids MIO epoxy-based coating which may be applied in high film thickness.

RECOMMENDED USE : As build coat over primed steel for use in industrial, marine and off-shore environment.

TECHNICAL INFORMATION :

Colours : Limited range
 Solids (% by volume) : 78 (+- 2)
 Specific gravity : 1.5
 Flash point : 35 Deg C +-2 (Setaflash)
 Flexibility : Good
 Gloss : Flat
 Gloss retention : Fair
 Water resistance : Good
 Chemical resistance : Good
 Solvent resistance : Good
 Abrasion resistance : Very good

Film thickness per coat in microns		Theoretical spreading rate Sq m/lit
Dry	Wet	
100 - 300	130 - 385	7.8 - 2.6
125	160	6.2

Application range :
 Typical

APPLICATION DATA:

Application methods : Airless spray. Brush or roller may be used for smaller areas.
 Mixing ratio (by volume) : 7 parts Component A ; 1 part Component B
 Mixing : 15 min prior to use
 Pot life (23 Deg C) : 2 hours (reduced at higher temperatures)
 Thinner/Cleaner : Jotun Thinner No 17
 Guiding data spray
 Pressure at nozzle : 15 MPa (150 kp/cm sq, 2100 psi)
 Nozzle tip : 0.58 - 0.79 mm (0.23 - 0.0031 ")
 Spray angle : 40 - 80 Deg
 Filter : Check to ensure that filters are clean

SURFACE PREPARATION : Power tool cleaning to min St 2 (ISO 8501 - 1:1988/SS 05 5900). Improved surface treatment will improve the performance. When used over old coating systems, the surface must be clean and dry.

CONDITION DURING APPLICATION : The temperature of the substrate must be min. 10 deg C and min. 3 deg C above the dew point of the air, temperature and relative humidity measured in the vicinity of the substrate. When used in confined spaces, good ventilation is necessary. Do not use heated air until the solvents have evaporated from the paint film to avoid surface drying and solvent entrapment. Duramastic MIO should not be exposed to mechanical strain before being fully cured.

DRYING TIME

: The drying times are evaluated according to BS 3900 Part C2 and BS 3900 Part C3. Drying times are generally related to air circulation, temperature, film thickness and number of coats, and will be affected correspondingly. The figures given in the table are typical with :

- * Good ventilation
- * Recommended film thickness
- * One coat on top of inert substrate

SUBSTRATE TEMPERATURE	SURFACE 1 DRY	HARD 2 DRY	CURED	DRY TO RECOAT 3	
				MINIMUM	MAXIMUM 4
10 Deg C	8 h	24 h	14 d	24 h	-
23 Deg C	4 h	10 h	7 d	10 h	-
35 Deg C	2.5 h	5 h	3 d	3 h	-

1 Evaluated according to BS 3900 Part C2

2 Evaluated according to BS 3900 Part C3

3 Recommended data given for recoating with the same generic type of paint.

4 The surface should be dry and free from chalking and contamination prior to application. Best intercoat adhesion occurs when the subsequent coat is applied before the preceding coat is cured. If this time is exceeded it may be necessary to roughen the surface.

The given data must be considered as guidelines only. The actual drying time can only be determined at site, depending on age of existing system, generic types, number of coats, thinning, temperature, ventilation, etc.

TYPICAL RECOMMENDED**PAINT SYSTEM**

:

On primed surface

Duramastic MIO **1 x 125 microns** **(Dry Film Thickness)**

Hardtop AS 1 x 40 microns (Dry Film Thickness)

STORAGE AND PACKING :**STORAGE**

: The product must be stored in accordance with national regulations. Preferred storage conditions are to keep the containers in a dry space provided with adequate ventilation. The containers should be sealed tightly.

HANDLING

: Handle with care. Stir well before use.

PACKING CONTENT

: Component A 17.5 kg ; Component B 2.5 kg

HEALTH AND SAFETY

: Please observe the precautionary notices displayed on the container. Do not breathe or inhale spray mist. Avoid skin contact. Spillage on the skin should immediately be removed with suitable cleanser, soap and water. Eyes should be well flushed with water and medical attention sought immediately.

For detailed information on the health and safety hazards and precautions for use of this product, we refer to Material Safety Data Sheet.

DISCLAIMER:

The information in this data sheet is given to the best of our knowledge based on laboratory testing and practical experience. However, as the product is often used under conditions beyond our control, we cannot guarantee anything but the quality of the product itself. We reserve the right to change the given data without notice.