



Moramastic 8300

Product Description

Moramastic 8300 is a two-component, mastic epoxy based, primer/undercoat/topcoat, with a very durable polymer structure. It provides long protection in high corrosive environments. Chemically resistant to paraffin, diesel, petrol, oil, acids, solvents and alkalis. It can be applied up to 200-300 µm thickness. It has excellent impact and abrasion resistance.

Intended Uses

Marine; ballast tanks, below and underwater of outer hulls and decks.

Industry: Offshore zones, bridges, energy stations and various heavy industrial environments.

Physical Properties

Physical State	: Liquid
Colour	: Grey (8300), green (8301), red (8302), metallic grey (8303) white (1503)
Volume Solid (%)	: 80 ± 3
Density	: 1,35 ±0,05 kg/L
Gloss	: Semi Gloss
Flexibility	: Good

Application Data

Mixing Ratio (weight)	: 8,5 units Part A / 1,5 units Part B
Mixing Ratio (volume)	: 4 units Part A / 1 units Part B
Application Methods	: Airless spray, conventional spray, brush or roller.
Application Conditions	: The temperature of the substrate should be minimum 3°C above the dew point of the air. Good ventilation is required.
Thinner/Cleaner	: 159 Epoxy Thinner

Guiding data for airless spray

Pressure at nozzle	: 15 MPa (150 kp/cm ² 2100 psi)
Nozzle tip	: 0,38-0,53 mm (0,015-0,021")
Spray angle	: 40-80°
Filter	: Check to ensure that filters are clean.

	Dry (µm)	Wet (µm)	Theoretical Coverage (m ² /L)
Typical film thickness	150	187	5,35
Maximum thickness	300	375	2,65

Surface Preparations

All surfaces to be coated should be clean, dry and free from contamination. The surface should be assessed and treated in accordance with ISO 8504.

Steel surface

Blast-cleaning to Sa 2½ (ISO-8501). Power tool cleaning to min. St 2 (ISO 8501) may be acceptable, subject to exposure conditions.

Coated surface

Blast-cleaning with 180-220 grade paper is necessary. Please contact Moravia office for further information.

Drying Time

Substrate Temperature	Pot Life (max)	Touch Dry	Hard Dry	Over coating Data	
				Minimum	Maximum
5°C	4 hrs	16 hrs	30 hrs	30 hrs	7 days
10°C	3 hrs	12 hrs	24 hrs	24 hrs	5 days
23°C	1,5 hrs	8 hrs	12 hrs	12 hrs	3 days
30°C	45 minutes	4 hrs	7 hrs	8 hrs	1 days

The given data must be considered as guidelines only. The actual drying time/times before recoating may be shorter or longer, depending on film thickness, ventilation, humidity, underlying paint system, requirement for early handling and mechanical strength etc. A complete system can be described on a system sheet, where all parameters and special conditions could be included.

Packing Size : 0,75 L, 2.5 L, 20 Kg, 20 L

Storage

The product must be stored in accordance with national regulations. Storage conditions are to keep the containers in a dry, cool, well ventilated area and away from source of heat and ignition. Containers must be kept tightly closed.

Health and Safety

Please observe the precautionary notices displayed on the container. Use under well ventilated conditions. Do not breathe or inhale 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 the 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.