



## Moraphen HS

### Product Description

Moraphen HS is a two component, polyamine curing phenolic/novalac epoxy coating with a high volume solid. It has excellent resistance to chemicals and good anti corrosive properties.

### Intended Uses

It is suitable for interior sides of storage tanks and pipelines which carries crude oil, caustic soda, oil, gasoline, diesel, aliphatic/aromatic hydrocarbons and hot water (up to 95 °C). It can be used also in bilges of the ships.

### Physical Properties

Physical State	: Liquid
Colour	: Light Grey, Light Pink, Oxide Red
Volume Solid (%)	: 75 ± 2
Density	: 1,45 ± 0,05 kg/L
Gloss	: Semi Gloss
V.O.C	: 293 g/L
Flexibility	: Good

### Application Data

Mixing Ratio (weight)	: 82 Unit A / 18 Unit B
Mixing Ratio (volume)	: 3 Unit A / 1 Unit B
Application Methods	: Airless spray, brush (brush for stripe coating & touch up only)
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	: Moravia 159 Thinner
Induction Time	: 15 minutes at 23 °C

#### Guiding data for airless spray

Pressure at nozzle	: 15 MPa (150 kp/cm <sup>2</sup> 2100 psi)
Nozzle tip	: 0.48-0.58 mm (0.019-0.023")
Spray angle	: 40-80°
Filter	: Check to ensure that filters are clean.

	Dry (µm)	Wet (µm)	Theoretical Coverage (m <sup>2</sup> /L)
Typical film thickness	150	200	5,00
Maximum thickness	300	400	2,50

**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**

If the surface is pre-primed or shopprimed, the paint surface should be clean, dry and free of loose paint and approved by Moravia inspector for the subsequent coating. Please contact Moravia office for further information.

**Drying Time**

Substrate Temperature	Pot Life ( Max )	Touch Dry (max)	Hard Dry	Over coating Data	
				Minimum	Minimum
10°C	6 hours	16 hours	14 days	16 hours	-
23°C	2 hours	8 hours	7 days	8 hours	-
30°C	1 hours	5 hours	4 days	5 hours	-

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** : 20 kg

**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.