

# PRODUCT DATA SHEET



## HD PSX 100

**Description:** HD PSX - 100 is a two-component, high gloss poly siloxane coatings , with good gloss and Colour retention . Excellent resistance to splash and spillage of chemicals.

**Recommended use:** As a glossy decorative finishing coat on a variety of substrates such as steel, aluminum, glassfibre, reinforced polyester, plywood, hardwood etc. in severely corrosive atmospheric environment. Minimum temperature for curing is -10°C

**Service temperatures:** Maximum, dry exposure only: 200°C/248°F

### Physical constants:

Colours/shade Nos.:	White* (available in clear version on request)
Finish:	High Glossy
Volume solids, %:	55 ± 2
Theoretical spreading rate:	14.9m <sup>2</sup> /litre, 35 micron/1.4 mils
Flash point:	35°C [75°F]
Specific gravity:	1.3 kg/litre [10.4lbs/US gallon]
Surface-dry:	45 minutes at 20°C
Through-dry:	3 hours at 20°C
Fully Cured:	7 day(s) at 20°C
VOC content:	433 g/litre

### Application details:

<b>Version, mixed product</b>	<b>HD PSX 100</b>
Mixing ratio:	HD PSX 100 : HD PSX 100 curing Agent 7 : 1 by volume
Application method:	Airless spray /Air spray/Brush
Thinner (max.vol.):	HDThin PU (5%) see REMARKS overleaf
Pot life:	3 hours at 30°C
Nozzle orifice:	0.017"-0.019"
Nozzle pressure:	75-100 bar [1087.5-1450 psi] <i>(Airless spray data are indicative and subject to adjustment)</i>
Indicated film thickness, dry:	35 micron/ 1.4 mils <i>(see REMARKS overleaf)</i>
Indicated film thickness, wet:	75 micron/ 3 mils
Overcoat interval, min:	According to specification
Overcoat interval, max:	According to specification

**Safety:** Handle with care. Use appropriate PPEs like safety shoes, goggles, gloves.

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### Surface preparation:

**New steel:** When used as an intermediate or finishing coat please refer to the data sheet for the preceding primer.

**Repair and maintenance:** Remove oil and grease etc. thoroughly with suitable detergent. Remove Salts and other contaminants by high pressure fresh water cleaning. Clean damaged areas thoroughly by power tool cleaning to St 3 (spot-repairs) or by abrasive blasting to min. Sa 2, preferably to Sa 2½. Surface preparation will improve the performance of the product. Feather edges to sound and intact areas. Dust off residues. Touch up to full film thickness. On pit-corroded surfaces, excessive amounts of salt residues may call for high pressure water jetting, wet abrasive blasting, alternatively dry abrasive blasting, high pressure fresh water hosting, drying, and finally dry abrasive blasting again.

### Application conditions:

Apply only on a dry and clean surface with a temperature above the dew point to avoid condensation.

Use only where application and curing can proceed at temperatures above: - 5°C/23°F, preferably above 0°C/32°F. The temperature of paint itself should be between 15°C/59°F and 30°C/86°F to secure proper application properties. Optimal application properties are obtained at paint temperatures of: 18- 22°C/64-72°F. In warmer climates, the paint should be stored in a cool place and the paint temperature should preferably be kept below 30°C/86°F. In confined spaces provide adequate ventilation during application and drying.

### Preceding coat:

According to specification.

### Subsequent coat:

According to specification.

### Remarks:

#### Service Temperature:

At service temperatures above 200°C, Unilay PSX 100 topcoat will become slightly soft. Furthermore, discoloration may occur.

#### Thinning:

Thinner- HD PSX Thinner is recommended if adjustment of application properties is needed.

#### Film thicknesses/thinning: (optional)

May be specified in another film thickness than indicated depending on purpose and area of use. This will alter spreading rate and may influence drying time and recoating interval. Normal range dry is: **40-60** micron. Avoid application of excess film thickness.

#### Curing Agent:

The curing agent reacts with humidity, wherefore lid at all times should be closed tightly when not Used.

### Note:

**HD PSX 100 is for professional use only.**

This Product Data Sheet supersedes those previously issued. Data, specifications, directions and recommendations given in this data sheet represent only test results or experience obtained under controlled or specially defined circumstances. Their accuracy, completeness or appropriateness under the actual conditions of any intended use of the Products herein must be determined exclusively by the Buyer and/or User.

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