

# Product Data Sheet

## Inception HC



### BASE : CURING AGENT

<b>Description:</b>	Inception HC is a two-component modified silan acrylic polyurethane topcoat, cured with isocyanate, with gloss and colour retention. Contains Aliphatic Catalyst.
<b>Recommended use:</b>	As a VOC-compliant, high-build finishing coat for protection of structural steel in corrosive environment.
<b>Service temperature:</b>	Maximum, dry exposure only: 120°C/248°F
<b>Availability:</b>	Not included in Group Assortment. Availability subject to special agreement.

### PHYSICAL CONSTANTS:

Shade nos/Colours:	
Finish:	Glossy
Volume solids, %:	58 ± 1
Theoretical spreading rate:	17 m <sup>2</sup> /l
Flash point:	31 °C [87.8 °F]
Specific gravity:	1.05-1.15 kg/litre
Surface-dry:	25 minute(s) 30°C/86°F
Through-dry:	2 hour(s) 30°C/86°F
Fully cured:	7 day(s) 30°C/86°F
Shelf life:	1 year for BASE and 8 months (25°C/77°F) for CURING AGENT from time of production. <i>*other shades according to assortment list.</i>

### APPLICATION DETAILS:

Mixing ratio:	BASE : CURING AGENT 4:1 by volume
Application method:	Airless spray
Thinner (max.vol.):	10-15%
Pot life:	4 hour(s) 30°C/86°F
Nozzle orifice:	0.017 - 0.021 "
Nozzle pressure:	175 bar [2537.5 psi] (Airless spray data are indicative and subject to adjustment)
Indicated film thickness, dry:	25 micron [1 mils]

# Product Data Sheet

## Inception HC



<b>SURFACE PREPARATION:</b>	According to specification.
<b>APPLICATION CONDITIONS:</b>	Apply only on a dry and clean surface with a temperature above the dew point to avoid condensation. Minimum temperature for curing is: -10°C/14°F At the freezing point and below be aware of the risk of ice on the surface, which will hinder adhesion. The film formation may be adversely affected by light rain, high humidity and/or condensation during application and the following interval after application: 8 hours , 30°C/86°F In confined spaces provide adequate ventilation during application and drying.
<b>REMARKS:</b>	
Colours/Colour stability:	Certain lead-contain red and yellow colours may discolour when exposed to chlorine-containing atmosphere.
Weathering/service temperatures:	At service temperature above 100°C/212°F, slight discolouration may be expected. The product will become softer.
Application(s):	When specified as a one coat "Direct to Metal"-system follow "Good Painting Practise" and apply stripe coating before the spray application on areas difficult to cover properly by spray application. Even small traces of water in the mixed paint will reduce the pot life and result in film defects.
Film thicknesses/thinning:	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 overcoating interval. Normal range dry is: 100-125 micron
Storage Conditions:	Store in a dry place and keep the can tightly closed until use.
Curing agent:	CURING AGENT : is sensitive to moisture. Open curing agent cans with caution as overpressure might exist.
Overcoating intervals:	A completely clean surface is mandatory to ensure intercoat adhesion, especially at long overcoating intervals. Any dirt, oil, grease, and other foreign matter must be removed with suitable detergent followed by (high pressure) fresh water cleaning. Salts to be removed by fresh water hosing. To check whether the quality of the surface cleaning is adequate, a test patch may be relevant.