

## TECHNICAL DATA SHEET

### SEAMASTER 9620 POLYLUX POLYURETHANE COATING

<b>Description</b>	9620 Polylux Polyurethane Coating is a two components polyurethane coating which gives outstanding resistance to severe weathering, high abrasion resistance, very fast drying, solvent and chemical resistance and high gloss finish.
<b>Surface Preparation</b>	All surfaces should be clean and dry. For painting over other coatings, ensure compatibility. Unpainted surfaces should be applied to a suitably primed (e.g. 1622 series Polybase primer coat). The surface of the primer must be clean, dry and free from grease.
<b>Physical Properties</b>	
Vehicle Type	Polyol / Isocyanate
Pigmentation	Selected chemical and weather resistance types
Mixing Ratio	Base : Hardener (#693N)
a) light / white colour	4 : 1 (by volume)
b) dark colour	4 : 1 (by volume)
Density (kg / litre)	1.00 ~ 1.20 (depends on colours)
Pot Life	5 hrs to 8 hrs
Flash Point	> 32°C (90°F) – Part 1 32°C (90°F) – Part 2 32°C (90°F) – Mixed
Drying Time at (27 ± 2°C & RH 80 ± 5%)	Surface Dry ≤ 3 mins Touch Dry ≤ 7 mins Hard Dry ≤ 40 mins
Recoating Interval	5 hrs (minimum), 1 day (maximum)
Dry Film Thickness	40 microns 1.6 mils thickness (d.f.t.)
Wet Film Thickness	66 microns (2.6 mils)
Volume Solid Fraction	0.41
Theoretical Coverage	Calculated from 0.41 volume solid fraction to give 40 microns (1.6 mils) d.f.t. will be of 10 m <sup>2</sup> / litre or 418 sq ft / US gal
Colour	White and selected range
Finish	Gloss
Storage Condition	Air tight, store in dry and cool conditions
Application Temperature	5°C to 40°C
<b>Application Method</b>	By airless spray, brush and roller. Wear airfed hood for spray application. Conventional spray wear suitable protection equipment.
Airless spray tip range	15 ~ 18 thou
Total output fluid pressure	2500 ~ 3000 psi (176 ~ 211 kgs / cm <sup>2</sup> )
Thinning	If necessary, use about 20% of S7713 Thinner for spraying or viscosity of 18 sec / F4 / 27 ± 2°C
Clean up	Use S7713 Thinner



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**Performance and Limitation** Sensitive to moisture during both storage and application. Avoid long periods of curing especially at high ambient temperature otherwise intercoat adhesion will be impaired. Curing will not be satisfactory when ventilation is poor. Take precautions as it contains isocyanates, wear airfed hood for spray application.

#### Product Liability

The Seller warrants the product to be free from manufacturing defects in material and workmanship. The Seller's sole obligation and Buyer's exclusive remedy in connection with the products shall be limited at the Seller's option, to either replacement of products not conforming to this warranty or credit to the Buyer's account in the invoiced amount of the non-conforming products.

The Seller makes no other warranties concerning this product. No other warranties, either express or implied, or satisfactory, and as warranties or merchantability or fitness for a particular purpose, shall apply. In no event shall the Seller be liable for consequential or incidental damages. Any recommendations or suggestion relating to the use of the products made by the Seller, whether in its technical limitation, or in response to specific inquiry, or otherwise, is based on data believed to be reliable, however, the products and information are intended for Buyers having requisite skill and know-how in the industry, and therefore it is for the Buyer to satisfy itself of the suitability of the products for its own particular use, and it shall be deemed that the Buyer has done so, at its sole discretion and risk. Variation in environment changes in procedures of use, or extrapolation of data may cause unsatisfactory results.

