

PU PAINT SYSTEM

DS 970 E 0614



PU PAINT SYSTEM

Technical Data

PU (Polyurethane) Paint System with high aesthetic durability and very high corrosion protection of PE and PP polyolefin, plastics, steel, iron and other metal structures for maritime applications with continuous water and abrasion contacts.

Kind of Product	Fast drying, solvent based 2K (2 component) PU Paint System to paint PE, PP and other plastic materials as well as metals. Application suitable by spray gun or brushes The material is optimized for complying with the highest C5I and C5M paint category standards for very high corrosivity protection and encapsulation of the substrates.
Norm	ISO 12944 Part 5 C2-5I and C2-5M, Water and Soil Cat Im3, ISO 8690
PU Paint System	PU Paint System is available with PE or PP primer as PU-S 2K for spray coating or PU-B 2K for brush coating or without primer if applied on metal.
Advantages	<ul style="list-style-type: none"> • Very High durability and very high corrosivity at highest paint category ISO 12944 C5Industry and C5Marine with expected service life of more than 15 years • Safe and field approved easy painting application system • Perfect material bonding with polyolefine materials • Good acids, alkali, seawater and environmental chemical resistance • High mechanical resistance (abrasion and impact resistance, low fractures) • High flexibility (crack-resistance caused by vibrations) • Different Special Primers available for PE or PP applications. • No special substrate cleaning required, just standard cleaning using a PE cleaner is sufficient. • Paint application is possible by using spray gun or brushes • Factory optimized paint blend according final application for spray gun or brushes • Simple mixing application , super fast drying of primers and paint • Practical spreading rates: Paint system 650 gr/200µm, Primer 18m2/liter
Wall Thickness	Multi-layer up to 3 mm. Single layer 80µm - 500µm factory optimized blend depending on ordered application (spray gun or brush).
Colors	All RAL colors available. Special colors on request.
Material Properties	Density of 1,28 High viscosity Temperatur resistance short time 100°C VOC Ingrediants 450g/liter
Tests	UV-Xenotest > 1000 hrs
Transport hazard class	Primer UN1307 class 3, Paint UN1263, Hardener UN1263 class 3
Application	Substrate cleaning (dust and oil free) by using PE cleaner (99,8% Methylalkohol). For perfect long-term bonding additional slight surface napping using sand paper is recommended. Application of 20µm primer including drying time minimum 2 minutes. Mixing and application of 2K Paint system using spray guns or brushes in layer of 200-250µm. Drying period of min 1 hour before applying another layer(if requested). Final drying 6 hours. Recommended weather conditions and temperatures: Dry and > 5°C.
Storage	1 year storage time indoor.

Contact us for more details.

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