

PURLAC POLYURETHANE ENAMEL

PRODUCT DESCRIPTION

Two pack polyurethane high durability finish with maximum performance and durability characteristics. Allows quick turnaround due to rapid film hardening with excellent chemical and solvent resistance.

USES

Suitable for commercial and industrial usage where a high durability finish is required.

TECHNICAL PROPERTIES

Colour	RAL, BS 4800		
Finish	Full Gloss		
Curing Agent	Purlac Polyurethane Enamel Activator		
Mix Ratio	3 Base : 1 Activator by volume		
Specific Gravity	0.989		
Volume Solids	42%		
Recommended Film Thickness	94-118µm WFT / 40-50µm DFT		
Theoretical Spreading Rate	8.5-10.6 m ² /litre		
Application Method	Spray		
Flash Point	25°C		
VOC	505 g/litre		
Drying Times	10°C	20°C	30°C
Touch Dry	1 ½ hours	40 minutes	30 minutes
Hard Dry	10 hours	8 hours	6 hours
Minimum Overcoat	3 hours	1 hour	45 minutes
Maximum Overcoat*	4 days	3 days	2 days

* When maximum recoating time is exceeded, the surface must be abraded before overcoating to ensure intercoat adhesion.

CERTIFICATION/APPROVALS

RECOMMENDED SYSTEMS

As a finish coat over epoxy primers.

SURFACE PREPARATION

Ensure surfaces are clean, dry and free from dirt, grease and other contamination. It is recommended that a mist coat be applied followed by a further full coat, allowing 15 minutes flash off between coats.

PRODUCT APPLICATION

Mixing	Base should be mixed with activator just prior to use. Mix 3 parts base to 1 part activator by volume. Pot life 3-5 hours at 20°C.
Thinners	Thinner No.6
Conventional Spray	Thin up to 10% with Thinner No.6 Use 3-4 bar air pressure.
Airless Spray	Thin up to 3% maximum by volume. Use tip 0.38-0.66 mm, 40-80° angle and 150-250 bar air pressure.
Cleaner	Thinner No.6
Cleanup Considerations	All equipment should be cleaned immediately after use with Thinner No.6 It is advisable that equipment should be cleaned/flushed during the course of application, the frequency of which will depend on the volume of material used and timescale over which applied. Ensure all waste materials (including packaging) are disposed of in accordance with local regulations.

HEALTH, SAFETY & ENVIRONMENTAL

This product must be used in accordance with the Material Safety Data Sheet supplied by Spencer Coatings Limited.
The user must observe local health, safety and environmental regulations when using this product.
Consult Spencer Coatings Limited if there are any concerns over the suitability of this product.

PACK SIZES

Base : 3 litre, Activator : 1 litre

PACK WEIGHTS

4 litre: 4 kg.

STORAGE CONDITIONS

The product should be stored in a cool, well ventilated, flame-proof area, away from sources of ignition and not subject to extremes of temperature.
Shelf life 6 months in unopened cans.

LIMITATIONS

Do not apply above 88% RH.
Temperature of paint on application 10°C minimum, 30°C maximum.
The temperature of the substrate should be at least 3°C above the dew point of the air.
Relative humidity and air temperature must be measured in the vicinity of the substrate.

DISCLAIMER

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It is the user's responsibility to ensure that this sheet is current prior to using the product.