

TECHNICAL DATA SHEET

ACRYLUX-PU 551

Product description

Two-component acrylic, aliphatic polyurethane paint of high crosslinking degree with very high gloss and very high durability.

Intended uses

Polyurethane finishing coating for interior and exterior surfaces. It is suitable for metallic constructions which exposed to various types of corrosive environments, for agricultural machineries, earth moving machineries, truck chassis-trailers and for painting cementitious floors exposed internally or externally. It has very good gloss and colour retention as well as excellent resistance to exposure.

Product data

Indicative film thickness, dry:	50 µm			
Indicative film thickness, wet:	107 µm			
Theoretical coverage:	9,4 m ² /l			
Suggested dry film thickness:	40-60 µm			
Gloss (GU 60 °)	Very Gloss (>90)			
Solids by volume	47 %			
Density (A+B)	1,19 gr/ml			
Mixing ratio A:B	3:1 per volume			
Working pot life	2h (23±2 °C) Time varies with increasing or decreasing temperature and relative humidity.			
Indicative drying times and overcoating/ Relative humidity 50%±5	°C	Touch Dry min	Hard Dry hours	Overcoating hours
	15°	30min	2h	24h
	25°	20min	1,5h	16h
Colours	Wide range of colours available via TETRALUX tinting system.			



VOC (Volatile Organic Compounds)	EU limit value for this product Category A: “j”, Type: SB, Two-pack reactive performance coatings for specific end use such as floors: 500g/l (2010). This product contains max 499g/l VOC.
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Surface preparation and application

Surfaces must be clean, dry and free of oily substances and deposits of other materials which will prevent or affect adhesion. Prior to application, surfaces must be assessed and treated accordingly.

For metallic constructions: Sandblasting to Sa2½ level (EN ISO 8501-1:2007) is recommended, while for surfaces to be prepared by hand they should be prepared to a minimum St3 level (EN ISO 8501-1:2007) at the time of painting.

Application: Apply in one layer.

Recommended undercoat:

METALPOX 140, METALCRYL 150, INTERPOX HB 440, TETRAMASTIC 960, TETRAZINC 440, TETRAZINC RICH 441, FIREFILM A6

For agricultural machineries, earth moving machineries etc: Cleaning of the surface with solvent and oxidized areas with electric or manual sander and suitable abrasive mean is recommended.

Application: Apply in one layer.

Recommended undercoat:

METALPOX 140, METALCRYL 150

For cementitious floors: The use of vacuum cleaner and thorough cleaning is recommended.

Application: Apply in two layers. Dilute with more diluent (25-30%) for the first layer.

Application methods

The product can be applied by:

Air spray: 1,4-1,6mm, 2 - 2.5 bar (29 - 36 psi)

Airless spray: 0,015-0,018”, 150 bar (2175psi)

Brush and Roller: Care must be taken to achieve the specified dry film thickness.

Thinner solvent

Air spray: 15-20% (W) with Thinner 806

Airless spray: 10-15% (W) with Thinner 806

Brush and Roller: 10-15% (W) with Thinner 806

Cleaning solvent

Thinner 806

**Application conditions**

In conditions of high relative humidity (80-85%), good ventilation conditions are essential. Substrate temperature shall be at least 3°C above the dew point and always above 0°C. Application at ambient air temperatures below 5°C is not recommended.

Safety

Handle with care. Before and during use, observe all safety labels on packaging and paint containers, consult TETRALUX Safety Data Sheets and follow all local or national safety regulations.

Remarks**Caution**

This product is for professional use only. The applicators and operators shall be trained, experienced and have the capability and equipment to mix/stir and apply the coatings correctly. Applicators and operators shall use appropriate personal protection equipment when using this product.

Storage

Keep the containers in a dry, cool, well ventilated space and away from sources of heat and ignition. Containers must be kept tightly closed. Handle with care.