

EMA ALIPHATIC PU

PRODUCT DESCRIPTION

Emirates Ema Aliphatic PU is a two-component high-build polyurethane paint, engineered to provide exceptional resistance to elements and a semi-gloss finish.

PRODUCT FEATURES

- Enhanced with advanced adhesion
- Water resistant
- Chemical resistant
- Abrasion resistant
- Excellent color retention
- Non-chalking properties

RECOMMENDED USE

This product is recommended for application on cementitious metal and wooden surfaces. It is a tough and abrasion-resistant coating that can be over-coated after a long exposure to air.

*Used for interior & exterior applications.

TECHNICAL SPECIFICATIONS

Color	Refer to Emirates Paints shade card
Finish	Semi-Gloss
Spreading Rate	8.2 m ² / litre
Volume Solids (ASTM d2697)	64 ± 2%
Specific Gravity	1.30 ± 0.05
Dry Film Thickness	80 Microns / Coat
Wet Film Thickness	125 Microns / Coat
Packaging Size	3.6L + 18L
Flash Point	25° C



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APPLICATION DATA

Application Method	Brush, Roller, Conventional Spray, Airless Spray (touch-up)
Thinner	Emirates Polyurethane Thinner, 5% depending on the application method
Airless Spray Requirements	Nozzle Size: 0.016" – 0.020" Pressure: 2200 psi
Conventional Spray Requirements	Pressure: 40 psi
Mixing Ratio by Volume	(4:1) (Base:Hardener) Mix properly, keep for 10 - 15 minutes before use
Pot Life @30° C	3 hours

SURFACE PREPARATION

The surface must be clean, dry and free from oil, grease, dust and loose particles prior to application.

DRY TIME

Touch Dry	1 - 2 hours
Dry to Recoat	7 - 8 hours
Full Dry	7 days

*Based on temperatures at 30 degrees Celsius.

*Humidity, air movement, film thickness and number of coats may impact dry time.



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HEALTH & SAFETY

Oil-based (solvent-based) paints require extra precautions due to their fumes and flammability. We highly recommend following your local safety regulations. Ensure you are working in a well-ventilated space to reduce the inhalation of harmful vapors and wear a suitable respirator mask when painting in enclosed areas. To avoid skin and eye contact, always wear protective gear such as solvent-resistant gloves and goggles. In case of skin contact, wash thoroughly with soap and water. If the paint gets into your eyes or is accidentally ingested, seek medical attention immediately. Please keep paints and solvents out of the reach of children and pets.

STORAGE & HANDLING

We highly recommend storing our paints in proper storage conditions as per your local regulations. Keep the paint container tightly sealed and away from direct sunlight and extreme temperatures. Ensure oil-based paints are stored away from any ignition sources, such as heat, sparks, or open flames, due to their flammability. Do not return unused paint to the original container to prevent contamination. For disposal, follow local hazardous waste protocols. Avoid washing brushes or spills down drains, as these paints require special disposal. Handle with care and mix thoroughly before use

SHELF LIFE

*For best results, please use within 18 months of the production date.

*Shelf life can be highly affected by storage conditions, in particular, the method of sealing the container.

DISCLAIMER

The data provided is based on our present state of knowledge and is intended to provide general information about our product and its uses. Emirates Paints will not be responsible for any claims after the product had been used without proper testing. Any existing industrial property rights must be observed. The quality of our product is guaranteed under our general conditions of sales.

