

PAYNTSHIELD

Aliphatic Polyurethane

Product Description

PAYNTSHIELD Polyurethane Recoatable Finish is a two-component of coating that contains polyurethane resins that is to be used as topcoat in atmospheric environments. It is formulated to provide a highly durable gloss and colour retention topcoat finish, which also offers excellent operational performance including adhesion, abrasion, chemical and impact resistance when applied over suitable and properly primed surfaces.

Typical Uses

PAYNTSHIELD is widely recommended for area properly primed, such as:

- Concrete surfaces and masonry surfaces.
- Steel, iron, aluminum and metal work.
- Wooden
- Exterior or interior use.

Physical Data	
Binder	Aliphatic polyurethane
Pigmentation	Organic and inorganic pigments
Solvent	Ester and hydrocarbon
Component	2
Finish	Gloss
Application	Brush, roller and spray
Color	Wide range
Flash point	Base 22°C and Hardener 30°C
Volume solid	48% ± 3%
Mixing ratio	4 part base part A (Part A) to 1 part hardener (Part B) to be mixed thoroughly prior to application
Dry film thickness	30 ~ 50 microns per coat (based on substrate condition)
Specific gravity	Approximately 0.95 ~ 1.15
Theoretical coverage	Approximately 8 ~ 11 m ² /litre
Drying time @30°C	Touch dry 1 hours
	Hard dry 8 hours
Pot life (25°C~30°C)	4 ~ 6 hours after mixing
Coats	2
Over coating Interval	8 hours minimum at 25°C ~ 30°C
Thinner/cleaner	Paynthinner 60 / Paynthinner 12
Shelf life	12 months in tight sealed container

* Use the above recommendations only as a guide. Variations in the number of coats and or dry film thickness may be necessary, depending upon service requirements. Such variations will alter the spreading rate and may influence the drying time and recoating interval.

Surface Preparation

Prior application of PAYNTSHIELD: -

New surface: Surfaces must be clean, dry and free of all loose, dirt, dust, oil stain and other contaminants before paint application. Surface affected by rust must be thoroughly cleaned and primed before finishing coat.

Painted surface: For a strong preceding coat, light sanding is recommended. Meanwhile for a weak preceding coat, total removal of the coat is highly recommended. Then surface must be thoroughly cleaned, dried and free of all loose, dirt, dust, oil stain and other contaminants before paint application.

Type of surface and its suitable primer: -

Steel surface primer: Heavy Duty Red Oxide Primer / Heavy Duty Zinc Phosphate Primer

Masonry surface primer: Heavy Duty MP Primer / Pantoxy 134 Primer / Payntoxy EM Primer

Wood surface primer: Heavy Duty MP Primer / Pantoxy 134 Primer

Storage

The product must be kept in a cool, dry and well-ventilated place.

Health and Safety

See Health and Safety Section in Data Manual. Note should also be taken of all relevant legislation ruling in individual countries. Consult manufacturers safety data sheet (SDS).

Safety Precautions

Before use: Read instructions for use and precautionary labels on container.

During use: Avoid contact with skin. Ensure good ventilation during use and avoid inhalation of spray, mist and fumes. Wear suitable respiratory or face mask. Wear suitable eye protection. Avoid ingestion of paint.

Storage: Store away from heat and sources of ignition. Avoid prolonged exposure to vapors.

Disposal: Follow local and national regulations.

Spillage: Remove all sources of ignition. Avoid prolonged exposure to vapors. Clean up with absorbent materials. Ventilate area. Do not wash into drains.

Emergency Treatment

Eyes: Flush immediately with water. Seek medical advice.

Skin: Remove contaminated clothing. Use a proprietary skin cleanser. Wash well with soap and water.

Fire: Fight fire with foam or dry powder.

Inhalation: Remove into fresh air. Loosen collar and avoid excessive exertion.

Ingestion: Seek immediate medical advice. **DO NOT** induce vomiting.

Important Note:

Paynt product are warranty against defective materials. Due to different substrate and working conditions, no guarantee of an application result or any liability claims. The users are required to have a test ahead based on their intended use.