TECHNICAL DATASHEET

CRYSTALPRIME 1K FILLER

Polytol Crystalprime 1K Filler is a single-component, acrylic-based product. It provides excellent filling performance, quick drying characteristics, and good adhesion on different substrate. It forms a uniform and sand-able underlayer that is compatible with Nitrocellulose topcoat.

PRODUCT BENEFITS

- **Compatibility**: NOT PERMISIBLE TO MIX with NITROCELLULOSE PAINTS.
- **Fast Drying Time**: Touch-dry within minutes, enabling quicker handling and reduced production time.
- **Excellent Filling Capability**: provide sufficient film thickness to level minor imperfections, scratches, sanding marks and ensuring a smoother substrate for topcoating.
- **Excellent Adhesion:** give excellent adhesion on different surfaces including plastics, metals, and previously coated areas improving coating durability
- **Ease of Application**: Simple to apply by spray or brush; ideal for both industrial and workshop environments.
- **Improved Surface Uniformity**: Enhances topcoat appearance by providing a consistent, well-prepared base that improves coverage and gloss uniformity.
- **Easy One-Component Application**: No hardener required.
- **Easy Sanding**: Forms a smooth, uniform film that sands effortlessly, reducing labor time and minimizing clogging of abrasives

AREAS OF APPLICATION

- **Wood**: Tables, chairs, cabinets, doors, and decorative wood panels. Preferred for interior wooden surfaces due to its smooth finish and fast drying.
- **Metal**: Used on metal furniture, appliances, and decorative items after surface preparation and priming.
- **Plastic**: Selected plastic materials (e.g., ABS) after surface treatment or priming.

PRODUCT FEATURES

Surface	Interior & Exterior
Available Pack	1L and 3.8L
Shelf life	1 year from date of manufacture in original tightly closed containers.
Available Color	White & Grey
Finish	Matt
Dust dry	5 minutes @ 25 – 35 °C
Touch dry	10 minutes @ 25 – 35 °C

SURFACE PREPARATION

1. **METAL SURFACES**
   - Remove all rust by wire brushing, sanding, or abrasive blasting.
   - Clean thoroughly with **Kapci Degreaser/ Polytol Degreaser** to remove oils and contaminants.
   - Apply 1 coat **Crystal prime Filler**.
   - After drying, sand with P400. (wet sanding)

2. **WOODEN SURFACES**
   - Sand the surface with Abrasive paper (by starting with P80 to P320)
   - Apply 1 coat of **Polytol Crystalprime Filler**
   - After 15-20 mins drying, make a dry/wet sanding on the surface with P400
   - Degrease the surface with **Kapci Thinner degreaser 605.**

3. **PLASTIC SURFACES**

   - Remove all dust, dirt, grease, silicone and contaminants.
   - Sand the surface with Abrasive paper P240 for better adhesion of **Polytol Crystalprime**.
   - Degrease the surface with **Kapci Thinner degreaser 605.**
   - Apply 1 coat of **Polytol Crystalprime** and let it dry for 15-20 mins before sanding with P600.
   - Then degrease the surface with **Kapci Thinner degreaser 605** again before applying topcoat**.**

APPLICATION PROCESS

Method	:	Brush and Spray
Thinning	:	Polytol CrystalThin 1k Thinner
Dilution	:	(2:1) = Brush (1:1) = Spray (Part A – Paint: Part B - Thinner)

PRECAUTIONS

- Do not apply when ambient temperature is less than 5°C or if the temperature might drop to this level within 4 hrs. of application.
- Do not apply it during rain or when rain is expected.
- Stir well before use.
- Do not apply on metal which is getting direct sunlight.

SAFETY AND ENVIRONMENT FEATURES

- Store the container with the tightly closed lid in an upright position, in a cool dry place.
- Keep out of reach of children and away from eating tables.
- May be harmful if swallowed. In case of ingestion seek immediate medical attention.
- Wear eye protection during application. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- In case of skin contact, immediately wash skin with soap and plenty of water. Get medical attention if irritation develops or persists.
- Do not breathe vapor or spray. It is recommended to wear suitable nose pad during sanding and surface preparation to avoid dust inhalation.
- Do not pour leftover paint down the drain or in water courses.
- In an event of spill, contain spillage using sand or earth.
- No added Lead, Mercury or Chromium compounds.

Left-Over paint disposal:

- Left-over paint/drums should not be disposed in soil/drains. Consumers should consult a local recycling agency for disposal of paint/drums.
- The pails/drums should not be used for storing food items.

DISCLAIMER
These recommendations are meant as a guide, no guarantee is implied since conditions of use, method of application and cleanliness of the substrate prior to painting are beyond our control.

Polytol Paints

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