Polytol™

TECHNICAL DATASHEET

1K CRYSTALCOAT

Polytol 1K Crystalcoat is a premium single-component topcoat designed to deliver exceptional gloss, long-lasting clarity, and superior surface protection, formulated with 1K advanced technology, it lays down a smooth, mirror-like finish that enhances color depth while resisting scratches and UV resistance.

PRODUCT BENEFITS

- **Easy One-Component Application**: No hardener required.
- **Fast Drying Time**: Touch-dry within minutes, enabling quicker handling and reduced production time.
- **Versatile Use**: Suitable for a wide range of substrates including wood, metal and plastic.
- **Excellent Flow & Leveling**: Forms a smooth, uniform film with a minimal of orange peel.
- **High Gloss**: Provides a **deep, clear, and glossy finish** that enhances the underlying basecoat.
- **Excellent Adhesion:** Strong adhesion to basecoat, primers, and automotive substrates.
- **Ease of Application**: Simple to apply by spray or brush, ideal for both industrial and workshop environments.

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, Black, Bright Red, Maroon, Yellow-Oxide, Red-oxide, Lemon Yellow, Chrome Yellow, Blue and Green
Finish	Glossy (Satin & Matt on demand)
Dust dry	5 minutes @ 30 °C
Touch dry	10 minutes @ 30 °C
Hard dry	30 - 45 minutes @ 30ºC

SURFACE PREPARATION

1. **METAL SURFACES**
   - Remove all rust by wire brushing, sanding, or abrasive blasting.
   - Clean thoroughly with **Kapci Degreaser 605/ Polytol Degreaser** to remove oils and contaminants.
   - Apply 1 coat **Polytol 1K Crystalprime Filler**.
   - After drying, sand with P400 – P600.
   - Apply 2 coats of **1K Crystalcoat** with a 5 mins flash-off time.

2. **WOODEN SURFACES**
   - Sand the surface with Abrasive paper (by starting with P80 to P320)
   - Apply 1 coat of **Polytol 1K Crystalprime Filler.**
   - After 15 mins drying, sand the surface with P400
   - Degrease the surface with **Kapci Thinner degreaser 605.**
   - Apply 2 coats of **1K Crystalcoat** with a 5 mins flash-off time.

3. **PLASTIC SURFACES**

   - Remove all dust, dirt, grease, silicone and contaminants.
   - Degrease the surface with **Kapci Thinner degreaser 605.**
   - Apply 1 coat of **Polytol Crystalprime Filler** and let it dry for 15-20 mins before sanding with P400.
   - Then degrease the surface with **Kapci Thinner degreaser 605** again before applying topcoat**.**
   - After 15 mins, you can apply 2 coats of **1K Crystalcoat** with a flash-off time of 5 mins in between coats.

APPLICATION PROCESS

Method	:	Brush and Spray
Thinning	:	Polytol 1k Crystalcoat Thinner
Dilution	:	(1:1) = Brush (1:2) = Spray (Part A: Part B)

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.

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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