

CARE & MAINTENANCE

THERMOSET POWDER COATINGS



Protech Group thermoset powder coatings are the ideal choice to protect and enhance your products. To ensure the life of your asset is maximized, a simple and regular maintenance program should be implemented.

Refer to your Technical Data Sheet for more specific information.

STORING



Thermoset powder coatings can be formulated differently. Poor storage conditions will affect them in different ways despite having the same storage and condition period. Variations in storage temperatures may lead to a reaction within the container that will ultimately make the thermoset powder moist, lumpy, and difficult to apply.

Here are a few tips to follow during the storing process. Under these conditions, our thermoset powder coatings will have a shelf life of at least 12 months.

- During transport, avoid over-stacking containers leading trailer roof if you take care of logistics.
- For storage, stockpile containers in an area with an ambient temperature of 27°C (80°F)
- at no more than 55% relative humidity.
- Prior to the application, set a few powder containers in the application room for a few hours before production if the temperature differential between the application room and the warehouse varies significantly ($\pm 20^{\circ}\text{F}$ - $\pm 10^{\circ}\text{C}$).

CLEANING



The frequency of recommended cleaning will first vary depending on the environment and end-use: level of moisture and condensation or airborne contaminant level (interior) or environment and surroundings such as cities, rural, industrial or coastal environment (exterior). Indoor and outdoor usage both have circumstances that command more frequent cleaning.

Cleaning your powder-coated surface is as easy as one, two and three:

1. Carefully remove any loose surface deposits with a wet sponge by gently rubbing.
2. Clean by gently rubbing the surface with a soft brush (non-abrasive) and a dilute solution of a mild detergent, e.g. pH-neutral liquid hand or dishwashing detergent in warm water to remove dust, salt and other deposits. For stubborn stains, use only recommended solvents on the affected area, e.g. Isopropyl alcohol (IPA) or methylated spirits and rinse off with clean water. Do not use other aggressive solvents.
3. Rinse the surfaces with clean fresh water after cleaning to remove all residues.

MAINTAINING

Some of the influencing factors that can affect the life of Protech Group thermoset powder coatings include:

- Ultra violet light;
- Levels of atmospheric pollution including salts, dirt, grime that can accumulate over time;
- Winds carrying air borne debris that can cause erosive wear of the coating e.g. sand causing abrasion;

- Change in environmental circumstances e.g. if rural became industrial;
- Microclimates e.g. geothermal, alkaline or acidic.

Use the following table to identify the recommended minimum maintenance schedule for your product or project:

Environment	Conditions	CORROSIVE ZONE	EXAMPLE ENVIRONMENTS	Recommended Minimum Cleaning
EXTERIOR	Mild	Low	Light	Every 12 months
		Medium	Arid Urban Area	Every 6 months
		High	Sea Shore (calm)	Every 6 months
	SEVERE	Very High (Industrial)	Heavy Industrial	Every 3 months
		Very High (Marine)	Sea Short (rough)	Every 3 months
	TROPICAL	Tropical	Humid	Every 3 months
INTERIOR	GENERAL	Very Low	Dry	Every 12 months
		Low	Minor	Every 12 months
	MODERATE	Medium	Condensation	Every 6 months
		High	High Moisture	Every 3 months

PROTECTING

✔ DO

Clean in mild conditions

Clean powder coated surfaces when the surface temperatures are below 25°C (77°F)

Remove unwanted paint & sealants

Ensure all paint splatters or excess sealant are immediately removed before they dry.

Use recommended solvents for stubborn stains only

Use only Isopropyl alcohol (IPA) or methylated spirits and rinse off with clean fresh water.

✘ DO NOT

Use aggressive solvents

Do not use turpentine, white spirits, thinners, citrus-based cleaners or other aggressive solvents on powder coating/Pulverbeschichtung.

Rub powder coated surfaces excessively

Do not rub powder coated surfaces excessively, especially metallic finishes.

Neglect recommended care and maintenance schedules

To comply with Protech Group thermoset powder coating warranties the recommended care and maintenance schedules must be adhered to.

ASKING AN EXPERT

Our coating experts can help simplify the process, saving you time and money by providing the right coating advice for your product or project.



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