

Plastic PROTECT



Description:

Plastic PROTECT is an ecologically sound, silica based, ready-to-use, single component molecular coating that forms a long lasting, hygienic quartz glass barrier on thermoplastic and thermosetting polymer substrates. The treated surface becomes hardened and resistant to scratching, dirt, aqueous liquids, solvents, oils and fats, mould and mildew, becomes easy to clean while reducing maintenance time and the need for harsh chemical cleaners.

Surface of Application:

Most plastic surfaces will benefit from **Plastic PROTECT** treatment. These include polycarbonate, PMMA, PET polyesters and PLA.

Directions for Use:

Surface must be dry and free of all soil, dirt, oils, and sealers. Test surface in an inconspicuous area before application. Fold a microfiber or cotton cloth multiple times and apply **Plastic PROTECT** directly to an edge of the folded material. Wet the edge sparingly and wipe surface in one motion from top down, across the complete surface until completely coated. Immediately follow same steps but in a left to right direction. If during the application the cloth feels dry on the surface, add more **Plastic PROTECT**. Polish surface in a circular motion to remove any streaking. If streaking persists, dampen cloth slightly with **Plastic PROTECT** and buff in circular motion.

Apply at temperatures of 5C/41 F – 30C/86F.

Curing Time:

Plastic PROTECT stabilizes in minutes after application and may experience light use. Curing is complete after 24 hours at the ambient temperature of 20 C, 70 F. Drying may take longer at lower temperatures.

Coverage:

Coverage of **Plastic PROTECT** varies from 10-25 ml/m².

Surface Maintenance:

The treated surface needs only to be cleaned with a cloth and warm water. Mild cleaners such as vinegar or dish detergent may be used for stubborn soiling.

Plastic PROTECT (continued)

Product Features:

Invisible, skin friendly, easy cleaning, dirt repelling, water cleaning (minimal cleaners needed), long lasting & durable, short drying period, environmentally friendly.

Resistant To:

Water, humidity and oil, soil & stains, microbes, mold, algae, mildew, ultraviolet (uv) rays, acid and alkaline, abrasion, hydrolysis, high temperatures.

Ingredients:

SiO₂ dissolved in ethanol.

Precaution:

Flammable. The use of latex gloves is recommended as the product may dry the skin. Avoid inhalation.

Handling:

Refer to MSDS sheet.

Containers:

Size of containers on demand.

Shelf Life:

1 year for an unopened original container. Opened product should be used as soon as possible. Keep in a cool dry place.

The information on this data sheet is based on the current status of technical development as well as our experience with the product. However, the information provided on this data sheet shall in no way diminish the responsibility of the user to ensure with due care that our product is suited for the intended purpose, surface and application conditions. Note in particular, that we accept no liability in cases where we have not explicitly stated application purposes and types of use.

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