

Appliances

Plascoat®
THE ART OF PROTECTION

High performance, low cost thermoplastic coatings for dishwasher baskets and other domestic appliances

Low material prices, excellent customer service





Introduction

Plascoat is the world leader in thermoplastic powder technology and Plascoat products are used all over the world to protect metal items from corrosion. Plascoat has a long history of providing a range of thermoplastic powders for coating wire baskets, shelves and grills from the world's main appliance companies.

The commercial pressure on today's appliance manufacturers to reduce material costs and increase performance has never been greater. Plascoat has been working closely with leading brands to develop a new range of coatings to meet this growing need.

In addition to ensuring the perfect finish and low material costs, the Plascoat appliance coating range will deliver:

- Reduced energy usage during the coating process
- Comprehensive coverage for complex edges and wirework
- Excellent 'powder weight to coverage area' ratio
- No hazardous fumes during application

Plascoat appliance coatings are also all:

- Food and water contact approved
- Crack and peel resistant
- Phthalate free
- Heavy metal free
- Plasticiser free



Plascoat Talisman 10 provides comprehensive coverage for complex edges and wirework

It is easy to switch to using Plascoat products

All of the coating powders available from Plascoat can be applied using your existing coating equipment. When making the switch over to Plascoat powders, a Plascoat coating specialist with experience in your industry will be appointed to support the transition at your manufacturing site.

Improved supply security with Plascoat

Plascoat has two separate manufacturing sites located in Europe. This ensures that supply has a low risk of disruption.



This dishwasher manufacturer almost doubled its product profit margin by switching to Plascoat Talisman 10 to coat its dishwasher baskets.

Our product range

Plascoat thermoplastic powders can be used to coat a wide range of parts used in appliances. Plascoat appliance powder coatings will protect any metal part from corrosion, chemical attack or abrasion.

The table below shows the most suitable Plascoat product for a range of popular appliances.

Appliance part	 Talisman ¹⁰	 Talisman ³⁰	 NG30	 WireGuard
Dishwasher Baskets	✓			
Refrigerator wire shelves			✓	✓
Freezer evaporation shelves		✓		
External airconditioning fan grills				✓
Industrial glass cleaning machine baskets	✓			

Most appliance parts are coated by dipping the preheated item into a fluidised bed of powder coating. Plascoat Talisman 30 can also be electrostatically sprayed, giving you the flexibility to coat intricate or low volume parts.

Coating method	 Talisman ¹⁰	 Talisman ³⁰	 NG30	 WireGuard
Fluidised bed dipping	✓	✓	✓	✓
Electrostatic Spray		✓		





Product overview - Talisman

Talisman¹⁰

Plascoat Talisman 10 has been specially developed as a self-adhesive hard grade powder for the coating of dishwasher baskets. One of the main reasons for the global adoption of Plascoat Talisman 10 is that it has allowed dishwasher manufacturers to significantly reduce their basket coating material and processing costs. Plascoat Talisman 10 also provides the following additional benefits:

- Excellent non-staining characteristics, superior to that of polyamide
- Reduced material usage compared to polyamide
- Can be applied using much lower processing temperatures
- Complete EU and FDA (Food and Drug Administration) food contact approval
- RoHS (Restriction of Hazardous Substances) compliant



Millions of dishwasher baskets like this one are coated in Plascoat Talisman 10.

One in six dishwasher baskets manufactured globally today are coated in Plascoat Talisman 10

Talisman³⁰

Plascoat Talisman 30 is used regularly by appliance manufacturers to coat freezer evaporator trays. It is hard wearing and provides a low friction finish. Plascoat Talisman 30 also provides the following additional benefits:

- Complete EU and FDA food contact approval
- RoHS compliant
- Resistant to a wide range of chemicals
- Resistant to cracking
- Anti-microbial grade available
- Can be applied by electrostatic spray or dipping



Plascoat Talisman 30 is ideal for coating freezer evaporator trays as it provides a smooth, low friction and hard wearing finish.

NG30

Plascoat NG30 is the world's most cost-effective polyethylene coating for domestic and industrial wire items. Plascoat NG30 is a new generation product with good stress crack resistance and excellent melt flow characteristics. It can be applied using preheat 50°C - 100°C lower than Low Density Polyethylene (LDPE). It can be applied pinhole free at about 30% lower thickness than other LDPE coatings. Other benefits include:

- 15% improvement in cycle times due to shorter cooling times
- Good edge coverage
- Food contact approved
- Non-yellowing with age
- Anti-microbial grade available



Plascoat NG30 is a popular coating for refrigerator shelves because of its hard glossy, easy to clean finish and the amount of money that appliance manufacturers save by using it.

WireGuard F40

Plascoat WireGuard F40 has been specifically developed for wire products which will be exposed to sunlight, humidity and airborne pollutants for prolonged periods of time. For this reason Plascoat WireGuard F40 is a very popular coating for roof or wall mounted air conditioning heat exchange fan grills. Other benefits include:

- Lower total material costs than competing materials
- No primer or primer production step required
- Cost savings in lower processing temperatures
- No risk of cracking, chipping or flaking



Plascoat WireGuard F40 is ideal for coating external fan guards due to its ability to withstand prolonged UV exposure and wide temperature fluctuations.

Our expertise - your guarantee

For over 60 years, Plascoat has pioneered the science behind thermoplastic polyolefin coatings as well as the engineering knowledge on application and manufacturing.

You can be sure our products are of the highest standards in the industry, with multiple international and national certifications, approvals and affiliations.

Even with excellent coatings, know-how is still needed to create final client products. Our experienced technical staff are on hand to help you with your queries on work-flow, processing, coating properties, colour matching, application techniques, settings and recycling, and much more.

At Plascoat we wish to bring you the best products with a world class technical service.

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We will provide not only the best products, but also the best technical assistance

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For more information regarding the technical service we can provide alongside your product orders, please contact your area sales manager.



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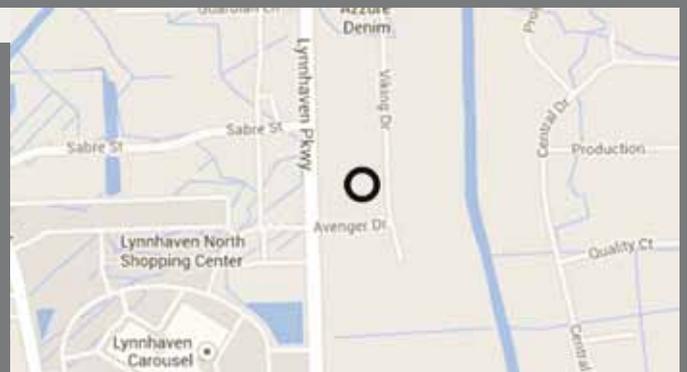
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Plascoat®

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Talisman



NG30



WireGuard

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