

Polyethylene & Polypropylene: A Proposal from PaintFlex®



PaintFlex® is the liquid paint that can be applied directly to the surface of polyethylene & other hard to paint products.

08.Sep.2026

Proposal for Expanding Sales Channels for PE and PP Products

PE and PP products

- do not rust,
- are safe for contact with water and food,
- and have excellent impact resistance, among other features.

They offer numerous advantages over products made from other materials.

When we explain that applying PaintFlex® Extra to these highly advantageous PE and PP products can permanently prevent UV degradation, we often receive comments such as the following:

“When manufacturing PE and PP products,

- 1) Add a UV inhibitor
- 2) Add carbon black

These two methods prevent UV degradation. There's no need to go to the trouble of applying a coating.”

- Manufacturers of UV inhibitors unanimously state that their effectiveness is limited to a maximum of two years.
- Regarding carbon black, the stated duration varies significantly depending on the company. However, they all agree that it prevents UV degradation for a considerably longer period than UV inhibitors.

This may raise a question:

Despite offering such significant advantages, while PE and PP products are increasingly being chosen in industrial applications, they are often avoided for personal or aesthetic use, with products made from other materials typically preferred instead.

Why is this the case?

One reason is that buyers of PE and PP products generally want products that do not degrade over the medium to long term. To meet this need, using PE and PP powder containing carbon black is generally the wise choice.

<However, the resulting products are all black.>

While that alone may not be the only reason, the fact that black is the only option likely gives a negative impression to quite a few people.

Here is a proposal from PaintFlex®.

Through integration with the PaintFlex® painting system, PE and PP products can now:

- ✓ Be easily painted in a variety of colors (single or multiple colors), regardless of size or shape
- ✓ Have various decorative elements applied
- ✓ Be easily marked as desired
- ✓ Have their color changed at a later date
- ✓ Further enhance resistance to UV degradation
- ✓ In the unlikely event that UV degradation occurs, the progression of that degradation can be halted
- ✓ Furthermore, the ability to create products in eye-catching colors boosts designers' motivation and paves the way for groundbreaking designs
- ✓ and more—

We have no doubt that PaintFlex® has the potential to transform PE and PP products into more flexible, vibrant, and eye-catching items, thereby contributing significantly to the expansion of sales channels.

For photos of products and designs made possible by PaintFlex®, which we cannot cover in full here, please check out Instagram #paintflex or the www.paintflex.com catalogues.

