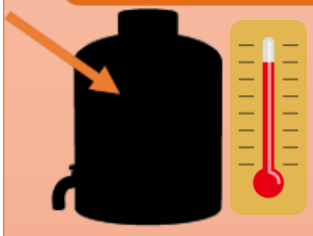
Polyethylene & Polypropylene:
A Proposal from PaintFlex®

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

23.Sep.2026

Before
PaintFlex® IR Rays Cut Paint



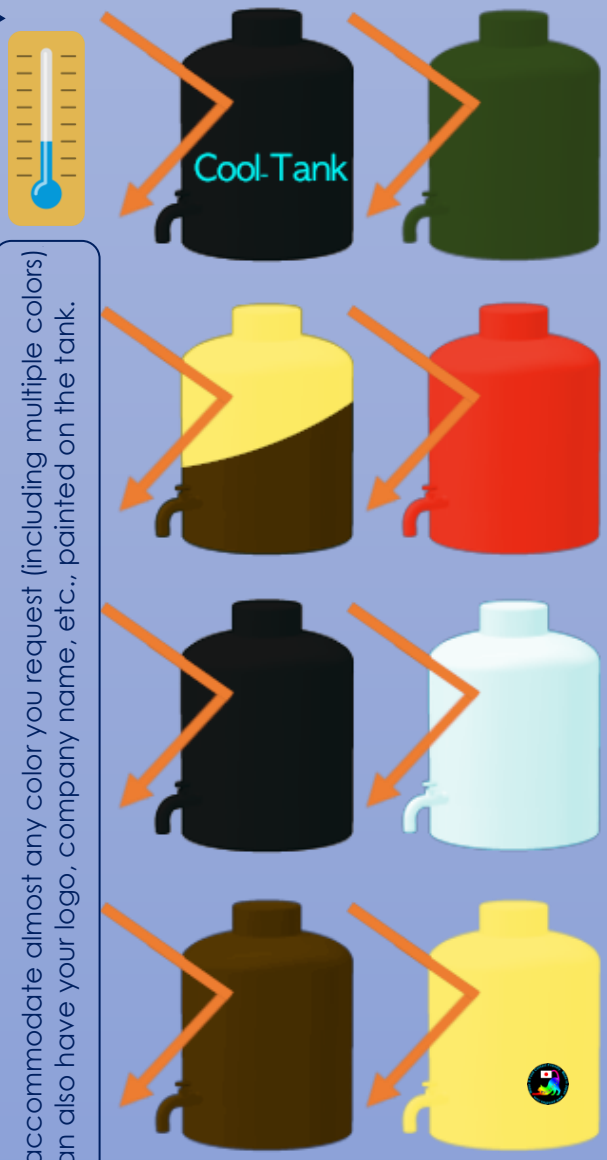
In the case of tanks made of carbon black-compounded polyethylene, direct exposure to intense infrared radiation can cause the surface temperature to rise to between **60°C(140°F)** and **100°C(212°F)**.
Also, the surface temperature of the tank varies significantly depending on the wind speed.

There is already a method to minimize problems caused by temperature fluctuations on the surface and inside tanks due to IR Rays, and it is extremely simple.
All that is required is to apply the PaintFlex® Painting System "IR Rays Cut" coating to products made of PE or PP resin.
The main problems caused by IR Rays in PE and PP tanks are:
Constant deformation of the resin products due to the expansion and contraction of the resin itself, leading to deterioration at joints with metal parts and other areas.
Depending on the structure, there is a risk of distortion occurring in both areas directly exposed to infrared radiation and those that are not.
When used as storage tanks for chemical products, significant temperature fluctuations can cause the contents to deteriorate.

Note: <Permanent IR Coating adhesion>
All process does not require any heat treatment such as flame treatment or corona treatment.

After
PaintFlex® IR Rays Cut Paint

When a carbon-black polyethylene tank is painted with IR-cut paint using the PaintFlex® painting system, the tank's surface temperature remains between **37°C(98°F)** and **40°C(104°F)**, regardless of wind speed or paint color.



PaintFlex® can accommodate almost any color you request (including multiple colors) and you can also have your logo, company name, etc., painted on the tank.

Step 1. Apply PaintFlex® to the surface of PE / PP Products using a Spray gun, Brush or Roller.
Step 2. Apply IR Cut Paint to "Step 1".