

# PaintFlex®

SMART PAINT ON THE ROTO-MOULDED POLYETHYLENE  
FIRST & UNIQUE OF ITS KIND IN THE WORLD



Labeling  
Pinhole Free  
UV Protection  
Graphic Decorate  
Permanent Painting  
Luxury Eye Catching Design  
for the rotational moulding industry

[www.paintflex.com](http://www.paintflex.com)



PF\_201901\_rev202201

# Roto Moulded Polyethylene Products Advantages and Benefits

- Consistent wall thickness
- Double-wall construction
- High durability
- High stability
- High strength
- Appearance
- Low-cost tooling and so on....

**MOST ARE FUNCTIONAL ADVANTAGES AND BENEFITS**

# Customer's Main Requests on Roto Moulded Polyethylene Products

1. Cosmetic Glossy & Matte Paint/Coating Finishing. Single Colour and Multiple Colour on the same surface of the Roto Moulded PE Products
2. Functional Paint/Coating Finishing Anti-Slip, Anti-Fouling, Anti-static and others on the Roto Moulded PE products
3. Writing (Printing) on Roto Moulded PE Products by Silk Printing, Stencil, Pad Printing ink and others
4. Put a Self Adhesive Sticker, Labels, barcode and others on the Roto Moulded PE Products
5. Bonding similar and Dissimilar Materials like: Bond Roto Moulded PE Plastics and Plastics / Steel / others together.
6. UV and Color Fading resistance on the Moulded PE Products surface
7. Hygienic & Glossy finish (Dirt Repellent Roto Moulded PE Product Surfaces)

# PaintFlex®



PROVIDING SOLUTIONS FOR CUSTOMER REQUESTS  
FOR POLYETHYLENE PLASTICS,  
WITHOUT TREATMENTS METHODS FOR ADHESION  
LIKE:  
HEAT /FLAME/CORONA/PLASMA OR  
OTHER UNRELIABLE & UNSAFE SHORT METHODS

# Customer Requests on Roto Moulded Polyethylene Products



1.

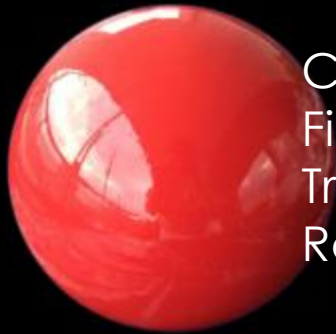
Cosmetic Glossy & Matte Paint/Coating Finishing  
Single Colour and Multiple Colour  
on the same surface of the Roto Moulded PE  
Products

Customer Requests on Roto Moulded Polyethylene Products

# 1. Cosmetic Glossy & Matte Paint/Coating Finishing Single Color and Multiple Color on the same surface



✓ PaintFlex® Provide solution for your customer request



Colour: Any Single Colour  
Finish: Glossy or Matte  
Transparency: Opacity  
Roto PE Powder: Natural or  
Master Batched Colour



Finish Colour: Double or Multi Colour  
Finish: Glossy or Matte  
Transparency: Opacity  
Roto PE Powder: Natural or  
Master batched Colour

Customer Requests on Roto Moulded Polyethylene Products

# 1. Cosmetic Glossy & Matte Paint/Coating Finishing Single Color and Multiple Color on the same surface



✓ How you can answer to your customer request

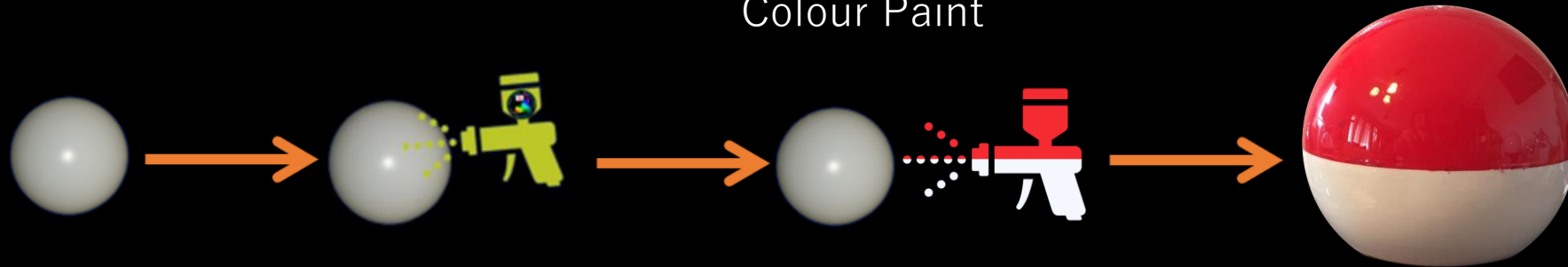
For example:

Natural Roto  
PE

Apply PaintFlex®  
Classic

Apply Conventional  
Solid White / Red  
Colour Paint

Glossy or Matte Finish  
Roto PE Product





## Customer Requests on Roto Moulded Polyethylene Products

### 1. Cosmetic Glossy & Matte Paint/Coating Finishing Single Color and Multiple Color on the same surface



## ✓ How you can answer to your customer request

### For example:

Natural Roto  
PE



Apply PaintFlex®  
Grey



Apply Conventional  
Glossy Red & Green  
Solid Paint



Glossy Finish Roto PE  
Product



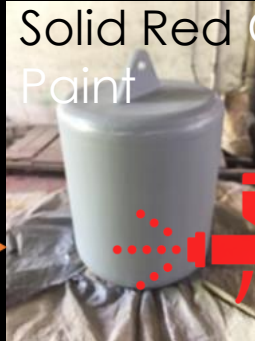
Masterbatch  
Roto PE



Apply PaintFlex®  
Grey



Apply Conventional  
Solid Red Colour  
Paint



Opacity  
Glossy Finish Roto  
PE Product





# Customer Requests on Roto Moulded Polyethylene Products



2.

Functional Paint/Coating Finishing  
Anti-Slip, Anti-Fouling, Anti-static and others  
on the Roto Moulded PE products

Customer Requests on Roto Moulded Polyethylene Products  
2. Functional Paint/Coating Finishing  
Anti-Slip, Anti-Fouling, Anti-static and others



✓ PaintFlex® Provide solution for your customer request



# Customer Requests on Roto Moulded Polyethylene Products

## 3. Functional Paint/Coating Finishing

### Anti-Slip, Anti-Fouling, Anti-static and others



## ✓ How you can answer to your customer request

For example:

Masterbatched  
Roto PE



Apply PaintFlex®  
Grey



Apply Conventional  
Anti-Slip Paint



Masterbatched  
Roto PE



Apply PaintFlex®  
Grey Grey



Apply Conventional Anti-  
Fouling Paint



# Customer Requests on Roto Moulded Polyethylene Products

## 3. Functional Paint/Coating Finishing

### Anti-Slip, Anti-Fouling, Anti-static and others

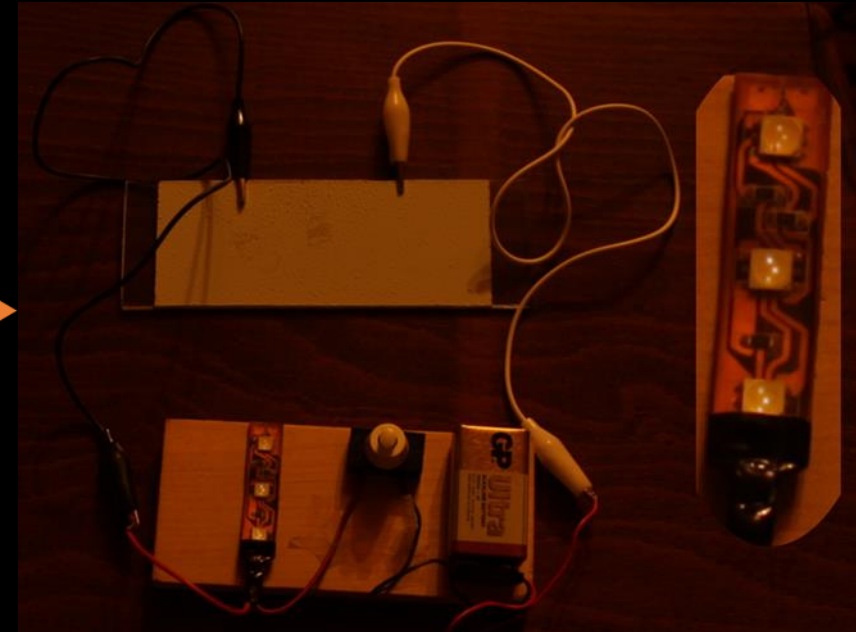
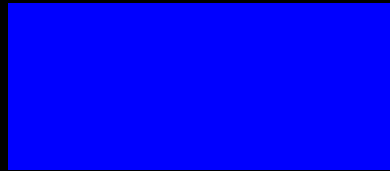


## ✓ How you can answer to your customer request

For example:

Natural or  
Masterbatched Roto PE

Apply PaintFlex®  
Anti-Static Paint



# Customer Requests on Roto Moulded Polyethylene Products



3.

Writing (Printing) on Roto Moulded PE Products  
by Silk Printing, Stencil, Pad Printing ink and others.



Customer Requests on Roto Moulded Polyethylene Products  
3. Writing (Printing) on Roto Moulded Products  
by Silk Printing, Stencil, Pad Printing ink and others



✓ PaintFlex® Provide solution for your customer request

Print by Stencil on  
Roto PE Products



Pad Print  
on Roto PE Products



Screen print  
"PaintFlex®" on Roto PE Products



Screen print  
"PaintFlex®"  
on Roto PE Buoys



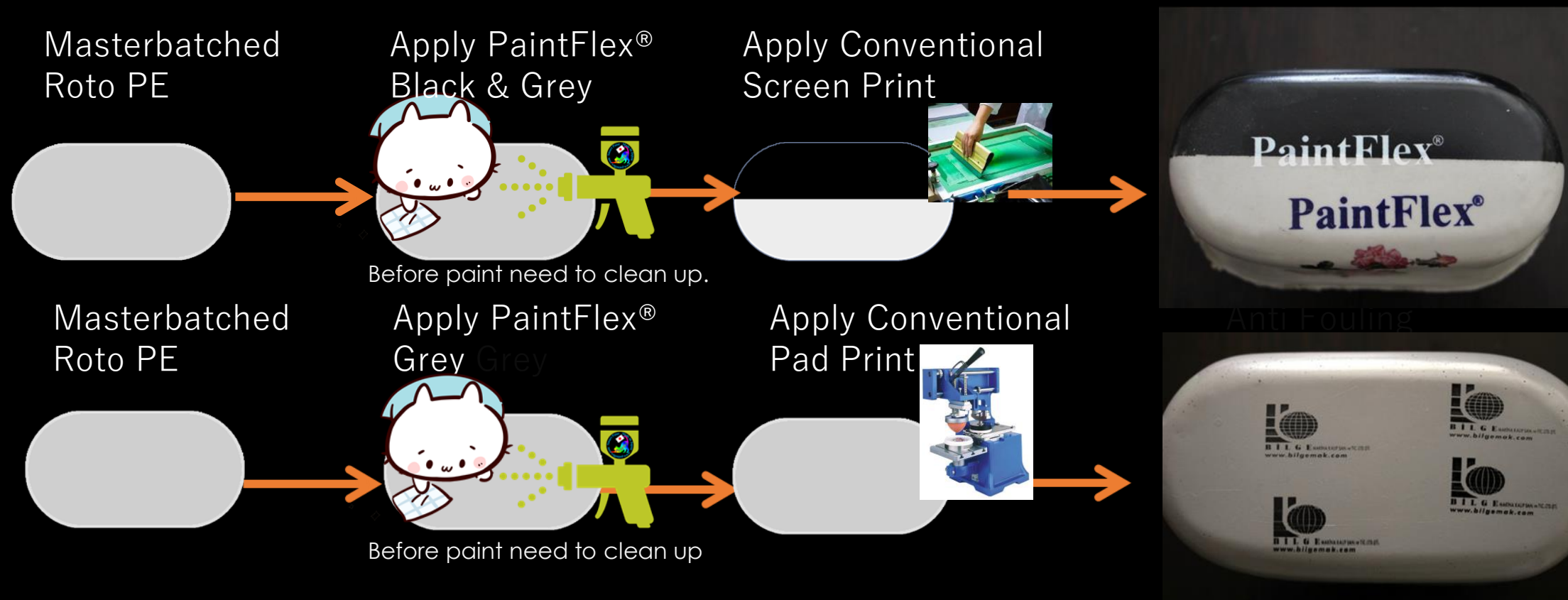
# Customer Requests on Roto Moulded Polyethylene Products

## 3. Writing (Printing) on Roto Moulded Products by Silk Printing, Stencil, Pad Printing ink and others



### ✓ How you can answer to your customer request

For example:





# Customer Requests on Roto Moulded Polyethylene Products



4.

Put a Self Adhesive Sticker, Labels, barcode and others on the Roto Moulded PE Products

Customer Requests on Roto Moulded Polyethylene Products

4. Put a Self Adhesive Sticker, Labels, barcode and others



✓ PaintFlex® Provide solution for your customer request



Put Self Adhesive  
Cutting Sticker /  
PVC Sticker /  
Logo Label  
on Roto PE Products



Put Self Adhesive  
Reflector Sheet  
on Roto PE Products



Put Self Adhesive Reflector  
Sheet on Roto PE Products

# Customer Requests on Roto Moulded Polyethylene Products

## 4. Put a Self Adhesive Sticker, Labels, barcode and others



### ✓ How you can answer to your customer request

For example:

Natural Roto PE



Apply PaintFlex®  
Classic



Apply Conventional  
Cutting Sticker etc...



Cutting Sticker

PVC Sticker

Logo Lable

Masterbatched  
Roto PE



Apply PaintFlex®  
Classic



Apply Conventional  
Reflector Sheet



Self Adhesive  
Reflector Sheet

# Customer Requests on Roto Moulded Polyethylene Products



5.

Bonding similar and Dissimilar Materials like:

Bond

Roto Moulded PE Plastics

and

Plastics / Steel / others

together.

Customer Requests on Roto Moulded Polyethylene Products

5. Bonding similar and Dissimilar Materials like:  
Bond Roto Moulded PE Plastics & Plastics/Steel/others together.



✓ PaintFlex® Provide solution for your customer request



Customer Requests on Roto Moulded Polyethylene Products

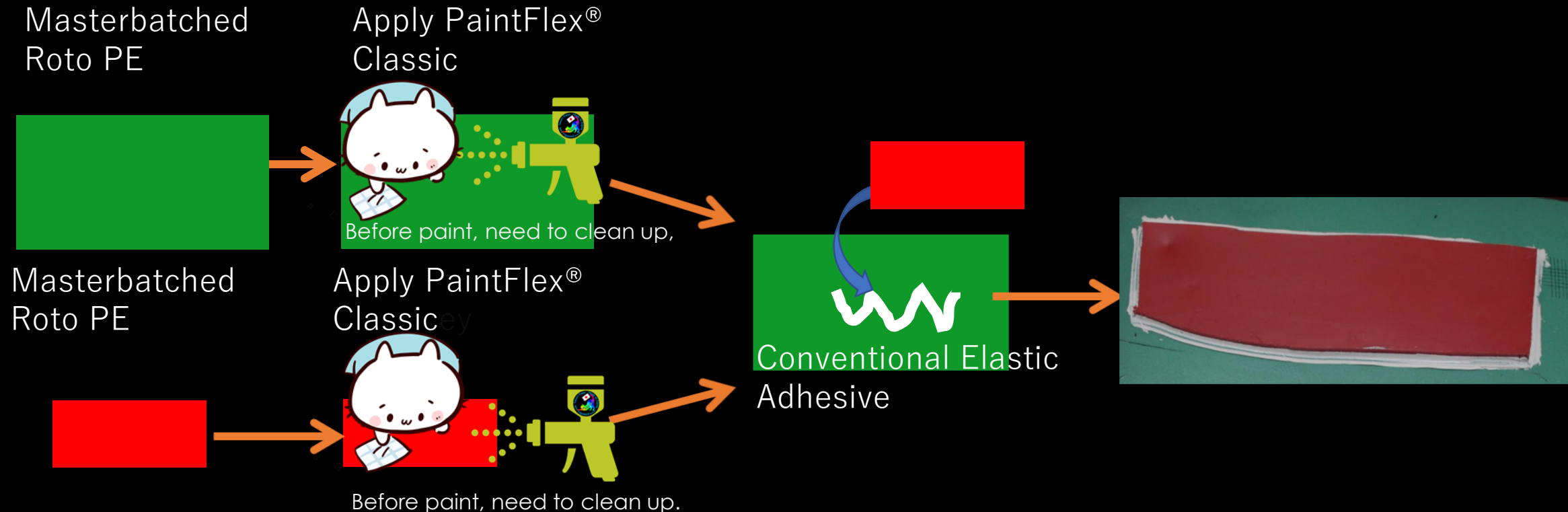
5. Bonding similar and Dissimilar Materials like:

Bond Roto Moulded PE Plastics & Plastics/Steel/others together.



✓ How you can answer to your customer request

For example:



# Customer Requests on Roto Moulded Polyethylene Products



6.

UV and Color Fading resistance  
on the Moulded PE Products surface



Customer Requests on Roto Moulded Polyethylene Products  
6. UV and Color Fading resistance  
on the Moulded PE Products surface



✓ PaintFlex® Provide solution for your customer request



Colour: Any Single Colour  
Finish: Glossy or Matte  
Plus UV Inhibitor Effect  
Transparency: Opacity  
Roto PE Powder: Natural or MaterBatched Colour



Finish Colour: Double or Multi Colour  
Finish: Glossy or Matte Plus UV Block Effect  
Transparency: Opacity  
Roto PE Powder: Natural or Materbatched Colour

# Customer Requests on Roto Moulded Polyethylene Products

## 6. UV and Color Fading resistance on the Moulded PE Products surface



### ✓ How you can answer to your customer request

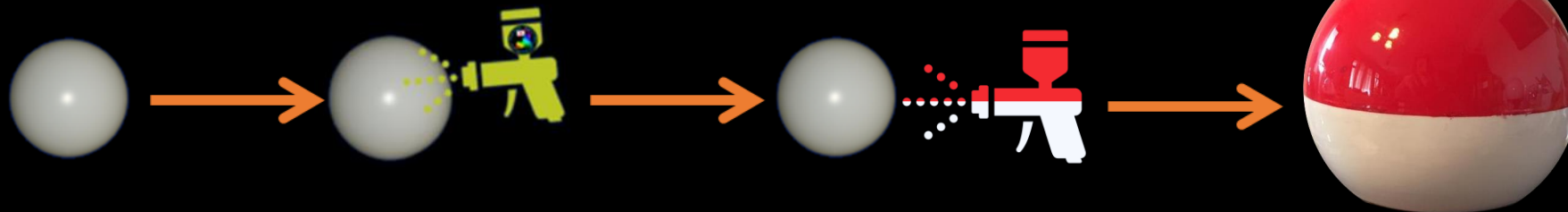
For example:

Natural Roto  
PE

Apply PaintFlex®  
Classic

Apply Conventional  
Solid & UV Block  
Effect White / Red  
Colour Paint

Translucent  
Glossy or Matte UV Block  
Effect Finish Roto PE  
Product



# Customer Requests on Roto Moulded Polyethylene Products



7.

Hygienic & Glossy finish  
(Dirt Repellent Roto Moulded PE Product Surfaces)

Customer Requests on Roto Moulded Polyethylene Products

## 7. Hygienic & Glossy finish

(Dirt Repellent Roto Moulded PE Product Surfaces)



✓ Provide solution for your customer request

PaintFlex® + HW® PE Powder

HW® PE Powder provide you,  
Pin hole almost of all free  
Roto Moulded PE Products with  
conventional “Roto Mould” &  
“Roto Machine”  
without release agent.

PaintFlex® Provide All process  
between “1” and “6” are just same.



Made from  
HW® PE Powder  
Applied  
PaintFlex® + Glossy Lacquer



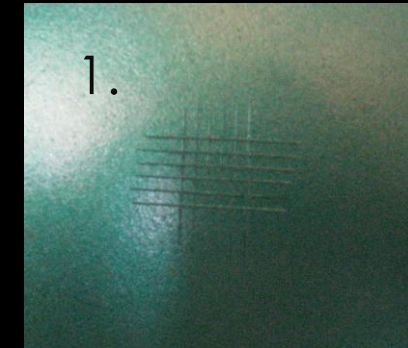
Made from  
Conventional PE Powder  
Applied  
PaintFlex® + Glossy Lacquer

# PaintFlex® Adhere Test



## Test Method:

1. Cross Cut & Tear off Test  
Result: Excellent
2. Pressure Washer Test  
Result: Excellent
3. Sticker Tear off Test  
Result : Excellent



You can reach to “Adhere Test video” on the  
[http://www.paintflex.com/pfpl/pfpl\\_video.htm](http://www.paintflex.com/pfpl/pfpl_video.htm)



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Now you have all answer for  
Customer's Main Requests on Roto  
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