

**KYDEX® Thermoplastics have distinct design, cost, and environmental advantages over fiberglass.**

Light weight, KYDEX® Thermoplastics are 100% recyclable making them an environmentally sound solution that supports end-of-life recyclability and life-cycle design. The manufacturing processes do not outgas VOCs or produce hazardous waste.

KYDEX® Thermoplastics offer more complex geometries and improved aesthetics than fiberglass alternatives.

As part numbers increase, costs are reduced using KYDEX® Thermoplastics because they are less labor intensive and do not require painting.



**THERMOPLASTICS**



**FIBERGLASS**

	THERMOPLASTICS	FIBERGLASS
<b>DURABILITY</b>	Extremely durable	Easily cracks
<b>CHEMICAL / DISINFECTANT RESISTANCE</b>	Inherently chemical resistant	Additional process required for optimum chemical resistance
<b>BEST FOR</b>	100s - 10,000s of parts	Very low volume
<b>DESIGN CAPABILITIES</b>	Excellent part consistency and geometries Integral Colour Infused Imaging™ technology Wide variety of textures Dimensional stability	Inconsistent quality Typically requires painting Decorative cap required Limited textures Inconsistent dimensional stability
<b>ENVIRONMENTAL / SAFETY</b>	Recyclable Safe to process	Non-recyclable Hazardous to process
<b>TOOLING COSTS &amp; PRODUCTION TIME</b>	Less tools and higher productivity	More tools required to achieve larger productivity
<b>WEIGHT</b>	Light weight	Up to 40% heavier than thermoplastics

## Cleanability & Chemical Resistance

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Aggressive cleaning agents and disinfectants are critical in eliminating surface bacteria and fungi to reduce the spread of disease.

Testing results confirmed that KYDEX® Thermoplastics:

- are not adversely affected by industry leading cleaners and disinfectants
- perform without loss of surface finish, colour fastness, or degradation of mechanical and physical properties

Using the right materials and understanding their compatibility with disinfectants is vital to ensuring a long, functional life.

## Mass Transit Interior Disinfectants

Effective against COVID19

Callington Aero Glass Cleaner (ethanol)	✓
Callington CH2200 (ethanol, alcohol solvent)	✓
Callington Fresh n Clean (alcohol, denatured)	✓
Celeste MicroGreen™ AGR ((d)-limonene)	✓
Celeste MicroGreen™ NG (proprietary ingredients)	
Celeste SP-NG85000 Interior Cleaner Complete (alcohols, ethoxylated)	✓
Celeste Sani-Cide 32 (ammonium chloride (quat))	✓
Celeste Sani-Cide EX3 (lactic acid) <i>Recognized by the CDC</i>	✓
Celeste Sani-Cide FSC (ammonium chloride (quat))	✓
Celeste Sani-Com® (ethanol)	✓
McGean Cee-Bee 90 (n-butoxypropanol)	



## InfusedImaging™

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KYDEX® Thermoplastics with Infused Imaging™ technology provides the look of texture on a flat surface that can be easily cleaned and disinfected.

- proprietary process that embeds imagery into thermoplastic material
- gives designers the power to create bespoke environments and brand experiences
- imagery will not chip, fade, or delaminate
- can use colour and imagery without sacrificing strength, durability, or cleanability

### CONNECT WITH US



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