

Passenger health is at the forefront of the passenger experience requiring materials that are chemical resistant, inherently antimicrobial, and will not be stained by harsh cleaning agents.

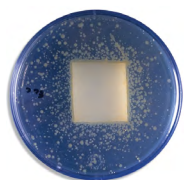
KYDEX® Thermoplastics are inherently antimicrobial and available with additional antimicrobial protection. Premium KYDEX ION Technology™ and KYDEX® MB materials are durable, chemical- and stain- resistant. They are ideal for high touch areas such as seat backs, privacy panels, window shrouds, and tray tables.

Our quick response manufacturing model allows us to manufacture bespoke materials with short lead times in small quantities.

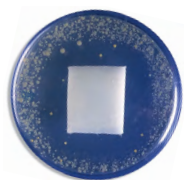


KYDEX® MB Materials are thermoplastic sheet with antimicrobial product protection.

Antimicrobial protection is incorporated into the sheet, which helps keep the treated surface cleaner between cleanings.



WITHOUT
Antimicrobial Protection



WITH
Antimicrobial Protection

KYDEX® T MB

- Meets FMVSS 302
- High impact strength
- Chemical resistant
- Excellent formability
- Integral colour

KYDEX® 2100 MB

- Meets FMVSS 302
- High impact strength
- Chemical resistant
- Excellent formability
- Integral colour
- Granite effect

appLab™

Other KYDEX® Thermoplastics mass transit products are available with MB. For more information about antimicrobial or cleaning applications contact appLab™ at 800.682.8758 or email appLab@kydex.com

	FMVSS 302	Docket 90/ NFPA 130	SMP 800C	High Impact Strength	Antimicrobial Protection	Chemical Resistance to Disinfectants
KYDEX® T MB	▪			▪	▪	▪
KYDEX® 2100 MB	▪			▪	▪	▪
KYDEX® 6200	▪	▪		▪		▪
KYDEX® 2200LT	▪	▪	▪	▪		▪

New KYDEX ION Technology™ is 99% effective at inhibiting the growth of stain and odor causing bacteria on KYDEX® Thermoplastics. KYDEX ION Technology™ interferes with bacteria DNA, which prevents stain and odor causing bacteria from multiplying on the treated thermoplastic sheet.

KYDEX ION Technology™ is an antimicrobial treatment incorporated into the sheet, which helps keep the treated surface cleaner between cleanings.

SURFACES

KYDEX® XD-ION

- 3D laminate used to create seamless edges, eliminating edge banding
- Superior impact resistance
- Integral color

KYDEX® XD03 ION

- 3D laminate used to create seamless edges, eliminating edge banding
- Superior impact resistance
- Integral pearlescent color

KYDEX® T-ION

- Superior impact resistance
- No pre-drying required
- Uniform forming with less wall thinning
- Underwriter's Laboratories, Inc® recognized Std 94 V-0, 5V

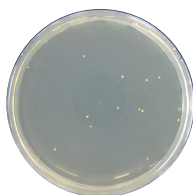
KYDEX ION Technology™

Click button to view Tech Data Sheet

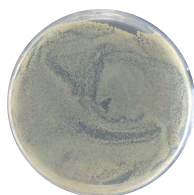
	ISO 22196*	JIS Z 2801*	FAR 25.853 (a) (d)	ASTM E84	UL94	Chemical Resistance to Disinfectants
KYDEX® XD-ION Flat lamination & membrane pressing	■	■		■		■
KYDEX® XD03 ION Pearlescent for flat lamination & membrane pressing	■	■		■		■
KYDEX® T-ION High impact fire-rated	■	■			■	■



Test Sample



Treated Test Sample
Bacterial Growth

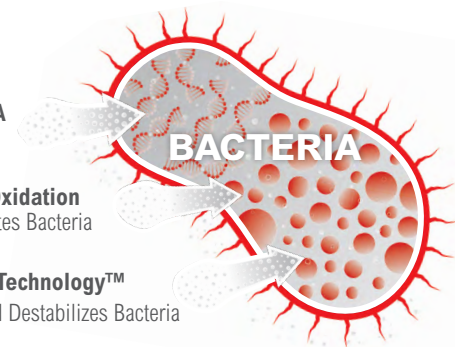


Non-Treated Test Sample
Bacterial Growth

Ions Interfere with DNA
Blocks Multiplication

Causes Enzyme Oxidation
Starves and Suffocates Bacteria

KYDEX ION Technology™
Penetrates and Destabilizes Bacteria



***Disclaimer:** *KYDEX® Thermoplastics incorporate an advanced EPA-registered antimicrobial for the protection and preservation of our polymeric and plastic materials. KYDEX® Thermoplastics are treated only to protect the polymeric and plastic materials and do not confer protection from bacteria to users of our products. Always clean the product thoroughly after use. To learn more about KYDEX ION Technology™ or to have a technical conversation, contact our appLab™ team at appLab@kydex.com or 800.682.8758.

Cleanability & Chemical Resistance

[CLICK HERE FOR TECH BULLETIN](#)



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:

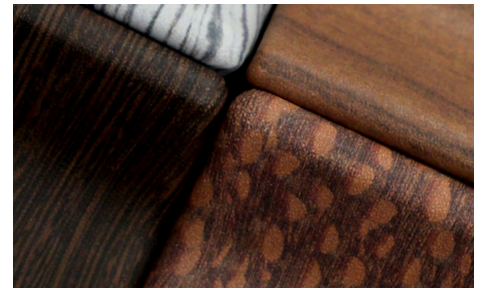
- are not adversely affected by industry leading cleaners and disinfectants
- perform without loss of surface finish, colour fastness, or degradation of mechanical and physical properties

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)	



Infused Imaging™

[CLICK HERE TO LEARN MORE](#)

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
- can be used with any KYDEX® MB and KYDEX ION Technology™ materials

CONNECT WITH US



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