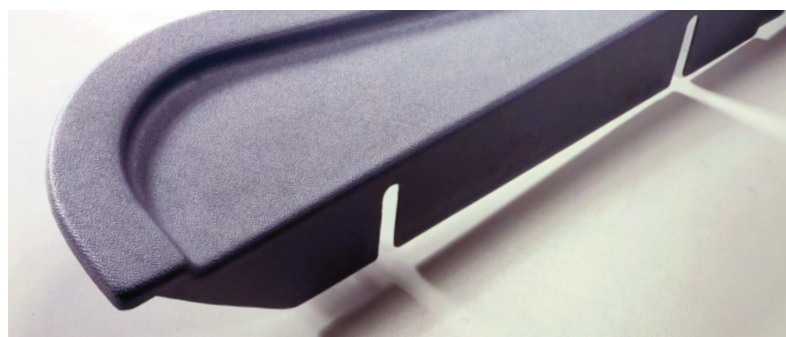


Passenger health is at the forefront of the passenger experience requiring materials that are chemical resistant, inherently antimicrobial, and will not be stained by harsh cleaning agents.

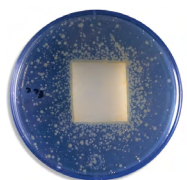
KYDEX® Thermoplastics are inherently antimicrobial and available with additional antimicrobial protection. Premium KYDEX ION Technology™ and KYDEX® MB materials are durable, chemical- and stain- resistant. They are ideal for high touch areas of the aircraft cabin, such as tray tables, seat backs, armrests, IFE bezels, privacy panels, monuments, and lavatory surfaces.

Design and color combined with technical performance let you specify KYDEX® Thermoplastics with confidence.

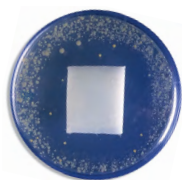


KYDEX® MB Materials are thermoplastic sheet with antimicrobial product protection.

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 FAR 25.853 (a)
- Chemical resistant
- Excellent formability
- Integral colour
- UV-B & UV-C resistant
- Easy to disinfect with spray/wipe, electrostatic spraying, and fogging disinfectant applications

KYDEX® 5555 MB

- Meets FAR 25.853 (a) and (d)
- Chemical resistant
- Excellent formability
- Integral colour
- UV-B & UV-C resistant
- Easy to disinfect with spray/wipe, electrostatic spraying, and fogging disinfectant applications

appLab™

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

	Vertical Burn FAR 25.853 (a)	Heat Release & Smoke FAR 25.853 (d)	Antimicrobial Protection	Chemical Resistance to Disinfectants	UV-B & UV-C 10 Yr. Exposure @ 10mJ/cm2
KYDEX® T MB	■		■	■	■
KYDEX® 5555 MB	■	■	■	■	■

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.

AVIATION

KYDEX® 5555HI-ION

- Designed to provide extremely low heat & smoke release
- High performance thermoplastic sheet with integral colour
- Engineered to improve aircraft passenger safety
- Improved impact characteristics for components subjected to HIC (Head Impact Criterion) testing

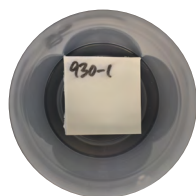
KYDEX® 6565HI-ION

- High performance thermoplastic sheet with integral colour
- Engineered to improve aircraft passenger safety
- Improved impact characteristics for components subjected to HIC (Head Impact Criterion) testing

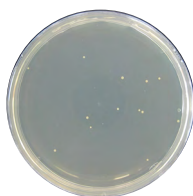
KYDEX ION Technology™

Click button to view Tech Data Sheet

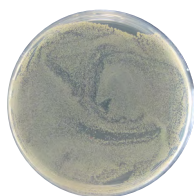
	ISO 22196*	JIS Z 2801*	FAR 25.853 (a) (d)	ASTM E84	UL94	Chemical Resistance to Disinfectants
KYDEX® 5555HI-ION Aviation – high impact, extreme low heat release & smoke	■	■	■			■
KYDEX® 6565HI-ION Aviation – high impact, low heat release & smoke	■	■	■			■



Test Sample



Treated Test Sample
Bacterial Growth

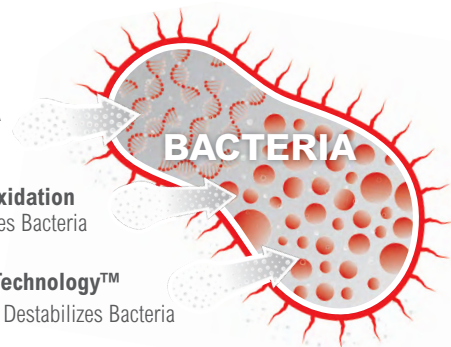


Non-Treated Test Sample
Bacterial Growth

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

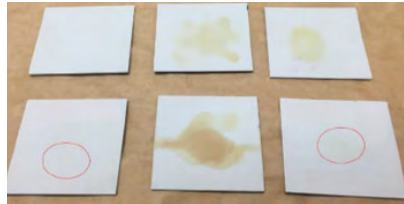
[CLICK HERE FOR TECH BULLETIN](#)

KYDEX® Thermoplastics can be cleaned using all CDC recognized aviation-grade disinfectants including quaternary ammonium compounds (QAC) such as ammonia or Formula 409®.

Testing results confirmed that KYDEX® Thermoplastics are not adversely affected by industry leading cleaners and disinfectants, and perform without loss of surface finish, color fastness, or degradation of mechanical and physical properties.



Competitor seatback tray, stained in service

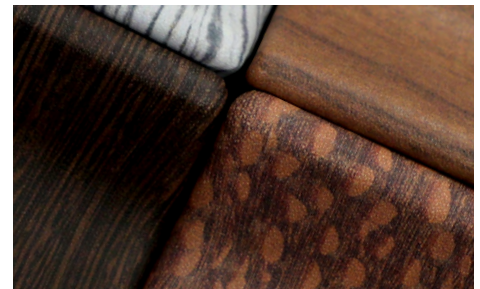


Competitor PVC/PMMA products: constant surface exposure test

These chemical reagents can have an adverse effect on competitor surfaces, causing discoloration, brittleness, staining, and product failure. Using the right materials and understanding their compatibility with disinfectants is vital to ensuring a long, functional life.

Aviation Interior Disinfectants

	Effective against COVID19	Stained competitor product	Safe to use on KYDEX® Sheet
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) Recognized by the CDC	✓	■	✓
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

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appLab™ designLab™ FSTLab™

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