
HAECO first to take on KYDEX Injection Molding resins

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[SEKISUI SPI](#), [HAECO Cabin Solutions](#), and [Core Technology Molding Corporation](#) have collaborated on a prototype KYDEX® 6565IM, which will be revealed next week at the [Aircraft Interiors Expo](#) in Hamburg.

The three companies worked in tandem to produce the product: HAECO Cabin Solutions designed the part with KYDEX® thermoplastics, SEKISUI SPI provided the research and development, and Core Technology supported the project by expediting tooling and part production.

HAECO Cabin Solutions has used KYDEX® IM materials with its new amenity door that will be featured at AIX, making it the first aviation company to do so.

Ben Smalley, SEKISUI SPI's Aviation Market Business Manager, commented: "This is a perfect example of what is possible when companies within the supply chain join forces. HAECO Cabin Solutions showed admirable initiative in seeking out an opportunity for working with new materials and partnered with SPI and Core Technology to make it happen. We couldn't be more grateful."

According to a joint statement from the companies, HAECO was eager to explore ways to eliminate visible inconsistencies when using different materials side by side, and hoped to find a single supplier with the ability to provide the same materials using different technologies.

"Once we knew it was possible to achieve a seamless appearance, we were eager to design a part utilizing this material," said Jose Pevida, HAECO Cabin Solutions' SVP of Engineering and Product Development. (KYDEX® IM materials are specifically engineered to match KYDEX® thermoformed parts, they contribute to the overall seamless aesthetic.)

Smalley continued: "Matching thermoformed parts to injection moulding parts has been burdensome for some in the industry. And finding sources within the supply chain that can meet quality and delivery demands can be equally challenging."

KYDEX® injection moulding materials are a PVC/PMMA alloy and share the same physical properties as KYDEX® Thermoplastic sheet. KYDEX® injection moulding resins, KYDEX® 6565IM and KYDEX® T-IM, are available in both fully compliant and vertical burn compliant options:

- **KYDEX® T-IM:** high performance, injection molding compound with integral colour, engineered with the same properties as KYDEX® T Thermoplastic sheet. This product meets the 12- and 60-second vertical burn requirements and FAR 25.853 (a).
- **KYDEX® 6565IM:** high performance, injection molding compound with integral colour. Meets flammability and smoke development requirements outlined in FAR 25.853 (a) and (d).

Visit HAECO (stand 5D10) and SEKISUI SPI (stand 5D40) at AIX Hamburg from April 2 to 4.