

Imperial Door With QMAX Thermally Enhanced Core



QMAX is a new thermally enhanced core for Imperial Series doors intended for applications where polyurethane cores are normally specified.

The new QMAX thermally enhanced core in Imperial Series doors has a significantly improved thermal rating (0.32 U value in a Mercury 3 Thermal Brake frame and 0.37 in a masonry frame) over the previously published polyurethane core rating (0.38 U value in a Mercury 3 Thermal Break frame and 0.40 U value in a masonry frame). As a result, the new QMAX core is replacing polyurethane cores for Imperial Series doors.

Along with improved thermal properties, the new QMAX core has many additional sustainable characteristics:

- 100% Recyclable with post-industrial and post-consumer recycled content
- 13.6% Carbon footprint reduction
- Environmentally friendly containing no hazardous materials or off-gassing
- Long term stable U and R value to help reduce energy consumption with 25% energy savings over prior core design
- Sizes up to 5'0" x 10'0" singles and 10'0" x 10'0" pairs
- Fire rated up to 3 hours
- Hurricane rated up to 150 psf including missile level E up to 4'0"x8'0" singles and 8'0"x8'0" pairs in kerf or standard frames

Opening	Core	Thermal Rating (BTU/hr-ft ² -°F)
3'0" x 7'0" flush door, Mercury 3 Thermal Break Frame	Ceco Imperial with QMAX thermally-enhanced core ^{A,B}	0.32
	Ceco Imperial with Polyurethane core - Discontinued	0.38
3'0" x 7'0" flush door, kerf frame	Ceco Imperial with QMAX thermally-enhanced core ^{A,B}	0.37
	Ceco Imperial with Polyurethane core - Discontinued	0.38
3'0" x 7'0" flush door, standard frame	Ceco Imperial with QMAX thermally-enhanced core ^{A,B}	0.37
	Ceco Imperial with Polyurethane core - Discontinued	0.40
^A Testing per SDI-113, NFRC-2023, ASTM C1199, ASTM C1363 & ASTM E1423 ^B Frame infill: R19 Kraft-faced 2" x 6" fiberglass		

Contact your Ceco Customer Service Professional or your local ASSA ABLOY Door Security Solutions Representative to find out more.

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