

What you need to know!

In 2017, the International Energy Conservation Code (IECC) was updated regarding cold storage compartments. Refrigerated warehouse coolers and refrigerated warehouse freezers shall comply with this section. Walk-in coolers and walk-in freezers that are site assembled or site constructed shall comply with the following:

Automatic Door Closing Device (REQUIRED)

American Panel's standard door closer fully complies with the federal requirements.

Strip Curtains on Hinged Doors (REQUIRED)

American Panel's standard strip curtain fully complies with the federal requirements.

R-25 Insulation in Cooler Walls, Doors, & Ceilings (REQUIRED)

American Panel's 55° R-Factor for all 4" panels is 29 as verified by two independent national labs, exceeding the mandated insulation requirements.

R-32 Insulation in Freezer Walls, Doors, & Ceilings (REQUIRED)

American Panel's 20° R-Factor for all 4" panels is 32 as verified by two independent national labs, exceeding the mandated insulation requirements.

R-28 Insulation in Freezer Floors (REQUIRED)

American Panel's floor panels are made with the same proprietary foam insulation and have the same R-Factors as our walls, doors & ceilings, exceeding all federal insulation requirements.

Triple Pane View Windows in Freezers (REQUIRED)

Where view windows are requested, APC provides triple pane windows in all freezer doors, thereby fully complying with the mandated requirements.

Double Pane View Windows in Coolers (REQUIRED)

Where view windows are requested, APC provides triple pane windows in all cooler doors, thereby exceeding the new requirements for cooler windows.

High Efficiency Motors on Condensing Unit and Evaporator Fans (REQUIRED)

All evaporator fan motors are of the high efficiency ECM type and all condensing unit fan motors are of the high efficiency PSC type to fully comply with the federal requirements.

Walk-Ins with Glass Display Doors (REQUIRED)

Where provided, glass display doors meet or exceed the regulatory requirements. Freezer glass panels are triple-pane, gas filled inserts.

Anti-sweat Heaters on Glass Display Doors (REQUIRED)

Anti-sweat heaters are not used on cooler glass display doors or windows. Anti-sweat heaters draw less power than the maximum allowed in freezer display doors or windows.

A Word on LEED Certification

Walk-In Coolers require R-36 insulation value in order to be certified for LEED approval. American Panel meets these requirements with available 5" insulated panels and an R-36.3 insulation value. American Panel 5" insulated freezer panels offer an R-40.6 insulation value and do not currently meet the R-46 LEED requirement.