

ENERGY SAVING TIPS FOR HIGH SPEED DOORS

Look for ways to reduce heat loss through exterior doors and loading docks? Minimizing air infiltration through open doors and loading docks is a cost-effective way to improve energy efficiency.

- Repair malfunctioning freezer doors and strip curtains to decrease infiltration.
- Upgrade to high-speed doors on loading docks to reduce air infiltration from outdoors.
- Install dock shelters to reduce warm-air infiltration into the facility.
- Retrofit existing loading docks with foam dock-seal systems. Although these systems are not as effective in reducing air infiltration as dock-shelter systems, their low cost can be attractive for some facilities.
- Install strip curtains in openings between cold storage spaces and conditioned spaces kept at higher temperatures.
- Configure the floor plan to minimize heat loss between storage spaces with different temperatures.
- For new construction, install a glycol slab heating system instead of less efficient electric resistance slab heating.
- Optimize the temperature set point for the slab heating system.
- Consider installing a pallet conveyer system to move product to and from the exterior of the freezer space to eliminate doorway passages and resulting heat gain.
- Consider upgrading to a fully automated storage and retrieval system with high-density storage capability. These systems are becoming more practical as the technology mature and can significantly reduce energy use.



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