Emergency Vault Ventilators and Vault-Ventilating Ports  

CAN/UL 680

1 Scope

1.1 These requirements cover emergency vault ventilators and vault-ventilating ports for installation in a wall.

1.2 Emergency vault ventilators are intended to provide fresh air to persons locked in the vault by accident or during a robbery.

1.3 Vault-ventilating ports are intended for connection to an outside ventilating system that provides circulating air while the vault is open.

1.4 These requirements are intended to evaluate the integrity of electrical wiring and components and to establish burglary resistant ratings. The ratings, based on the net working time to effect entry, are as follows:

   a) Class M - 1/4 hour;

   b) Class 1 - 1/2 hour;

   c) Class 2 - 1 hour; and

   d) Class 3 - 2 hours.

1.5 When installed in either a vault door or modular panel that complies with the requirements in the Standard for Burglary Resistant Vault Doors and Modular Panels, UL 608; or a reinforced concrete wall according to the manufacturer's instructions and the Standard Classification for Bank and Mercantile Vault Construction, ASTM F 1090, the products covered by these requirements do not affect the burglary resistance of the vault wall.

1.6 These requirements do not cover protection against entry by attacks with a burning bar (thermal lance) or explosives.

1.7 Products covered by these requirements are intended for installation in vaults that are used for the storage of valuables, and that are protected by special security measures that cannot be forced using normal rescue equipment, and require waiting for a time-lock or similar device to release entrapped individuals.