

Oven Panels

The main body of general industrial ovens may be constructed from out standard tongue and groove interlocking oven panels.

Panels come 2", 4" and 6" thick with 4# or 8# density mineral wool insulation. Depending on the application and oven operating temperature, oven panel construction may consist of #20 gauge galvanized or aluminized steel skins. The skins are held together with galvanized space channels on ends, male and female rails on sides.

Inside and outside corners of the oven are covered with #20 gauge galvanized flashing and attached to the panels with suitable heavy gauge sheet metal screws. Inside the oven panel joints and flashing connections, additional insulation may be provided to protect against any potential heat loss.

Higher temperature ovens typically require 4" or 6" panels with 8# density mineral wool to protect against heat loss. The high temperature oven panel design allows for

offset slot male and female rails. Heat transfer through the oven panel rails is dissipated with offset slots, keeping the outside surface of the oven panel from over heating.

Oven panel construction is complemented with oven caulking, floor channel, end caps, insulation strips, and inside and outside flashing.

Production Systems offers single panels to complete packages upon request from customers.

Flash Tunnels, Wet Spray & Powder Coat Cure Ovens, and custom designs can all be engineered to meet your finishing requirements.

Oven Panel assemblies, shown on back, are standard for basic construction.

Production Systems' engineering team is available for assistance on any inquiries you may have.

Oven Panel Components

