

# Curing Epoxy Between Two Pieces of PVC Material with a Model 4185 Infrared Strip Heater

## Application

A manufacturer curing epoxy to attach PVC parts to the PVC door interiors of mini vans

## Problem

**Poor Quality** - The existing method of using heat guns was producing a poor quality cure of the epoxy and the parts were not bonding to the doors.

**Excessive Rework** - The manufacturer had to rework an excessive number of doors to attach the parts a second time.

**Limited Production Output** - The heat guns were taking too long to cure the epoxy. This, combined with the amount of rework required, was limiting production output.

## Solution

**Heat** - A Model 4185-25 Infrared Strip Heater was used to apply heat to cure the epoxy between the PVC parts and door interiors.

**Instant On/Off** - The Infrared Strip Heater heated up and cooled down instantly.

## Benefits

**Improved Quality** - The Infrared Strip Heater applied heat evenly to the epoxy and increased the quality of the bond between the PVC parts and the PVC door interiors.

**Reduced Rework** - With the Infrared Strip Heater, the manufacturer was able to reduce the amount of rework required by 80 percent.

**Increased Production Output** - The Infrared Strip Heater cured the epoxy more quickly than the heat guns had. Combined with the reduced amount of rework required, this time savings increased the manufacturer's production output.

**Responsive Heat Source** - The instant on/off capability of the Infrared Strip Heater enabled the manufacturer to operate it only when required to cure the epoxy.