

# Polarex Lightweight Skeleton Thermoformer Technical Data Sheet

## What is Thermoforming?

Thermoforming refers to the process of heating and folding PVC sheets on a long thin element.

## What are the Typical Areas to Receive Thermoformed PVC Sheets?

- Food Manufacturing areas
- Commercial Kitchens
- Pharmaceutical areas
- Hospitals
- Laboratories
- Showers
- WC's and Wet Hygienic areas

## What are the benefits of this Skeleton Thermoformer over others on the market?

- Lighter in weight than the traditional old style Thermoformer
- Runs off a 16 amp 110 volt supply, eradicating the need for the heavy 32 amp transformer
- Excellent heat output
- Quick to cool down, less waiting time
- Consists of a strong durable structure and less prone to damage in both use and transit
- The bodywork is designed to stay cooler allowing heat to flow through and up from the element making it more practical and efficient
- Much more competitively priced

## Requirements for Thermoforming

Before commencing, ensure you have all the required equipment to achieve a successful bend. The things required are:

- Lightweight Skeleton Thermoformer
- 3m Straight Edge
- Stands for Lightweight Thermoformer
- 2.5m x 1.2m Work Bench
- 110v 16 amp Extension Lead
- 110v 16 amp Transformer

## How to Thermoform

Place the Hygienic Wall Cladding Sheet onto the work bench, which is situated to the side of the Thermoformer. Put a mark at each end of the Wall Cladding Sheet where it's to be bent. Slide the sheet across onto the Thermoformer lining up the marks with the centre of the element. Hold down firmly with the straight edge until the PVC sheet is pliable (ready to be thermoformed). Slide the sheet back onto the work bench and fold the sheet totally back on itself to set the bend (approximately 5 seconds). Lift the edge of the sheet to the required position and hold until the sheet has totally cooled (approximately 30 seconds). You have now completed a thermoform bend.