

Carbon Infrared Preheats Wide PVC Flooring for Embossing

PUBLIC CONFIGURATION REFERENCE

Preheat the full web.
Protect sheet dimensions.

2 M REFERENCE WEB WIDTH



THE PROCESS CHALLENGE

PVC flooring must be softened uniformly before embossing. Short-wave absorption can vary with color, and uneven heating may disturb the product geometry.

THE INFRARED APPROACH

A carbon medium-wave system spans the web and preheats the sheet immediately before the embossing nip. Cross-web zones can trim temperature uniformity.

1

UNWIND

Feed PVC web

2

IR HEAT

Preheat uniformly

3

EMBOSS

Form the texture

4

COOL

Stabilize dimensions

APPLICATION FEATURES

- Medium-wave heating reduces color sensitivity
- Wide-web design supports uniform coverage
- Cross-web zoning trims edge-to-center balance
- Fast response protects the web during stops
- Compact layout fits before the embossing roll

APPLICATION NOTE

Public case-study configuration reference - not a YFR performance claim. Final ratings and results require YFR sample testing and engineering confirmation.

TYPICAL CONFIGURATION

REFERENCE WIDTH
2 m PVC web

EMITTER
Carbon medium-wave infrared

CONTROL
Line speed, zone trim and temperature

LAYOUT
Over-web cassette before embossing nip

CUSTOM DESIGN
Width, power, zones and cooling

CONFIRM
PVC recipe, color, gauge and emboss temp