

# Intelligently Designed **CURING SOLUTIONS**



## BENEFITS OF CURING CONCRETE PRODUCTS

- Improve product strength and color consistency
- Reduce efflorescence
- Reduce permeability by increasing product surface density
- Increase throughput and decrease turnaround time



# IMPROVE PRODUCT QUALITY

## Save Money

### Why Besser Curing Systems?

Every system supplied by Besser is engineered to deliver accurate temperature and humidity control, timing in the curing environment, insulation and air control that provides proper circulation and energy savings. We use custom simulation software to design a system that meets your specific curing needs.

Installation of your system is completed by our experienced technical service team. While on-site we train your staff to operate our curing systems to maximum efficiency. We offer 24/7 technical support, parts and training. We also offer upgrades for Besser and competitive curing systems.

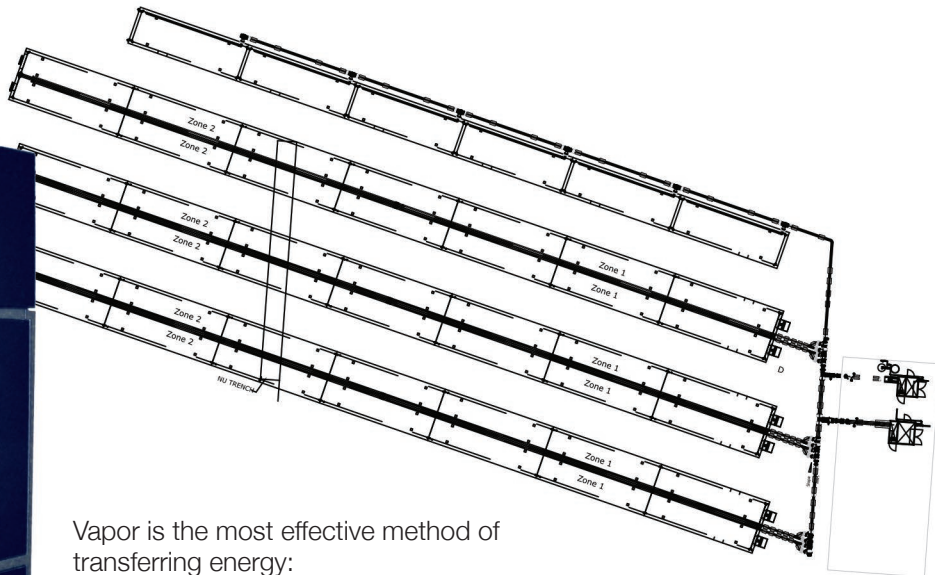


### Besser Vapor Generator

A fast, efficient curing system with thermal outputs from 300,000 to 8,000,000 BTU.

#### Features:

- Produces steam within 5 seconds of the generator reaching the run mode (which occurs in less than 50 seconds after the start)
- High product quality
- Consistent product strength and color
- Easy to operate
- Low maintenance
- Low energy costs
- Requires little space
- No exposed flame for increased safety
- Mobile/containerized configuration



Vapor is the most effective method of transferring energy:

- 1000 BTU of water to create vapor
- Vapor back to liquid releases 997 BTU - Latent Heat of Vaporization
- A Besser Vapor Generator is 98% efficient compared to a dry heat system at 94%

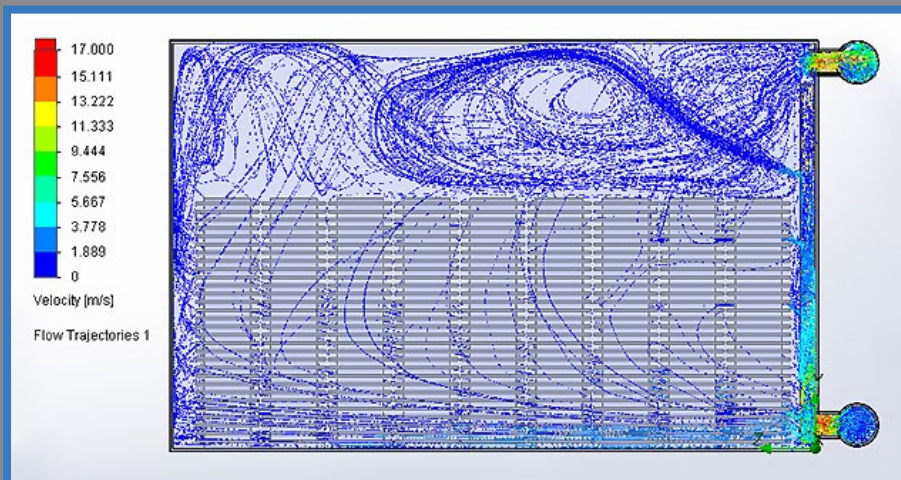
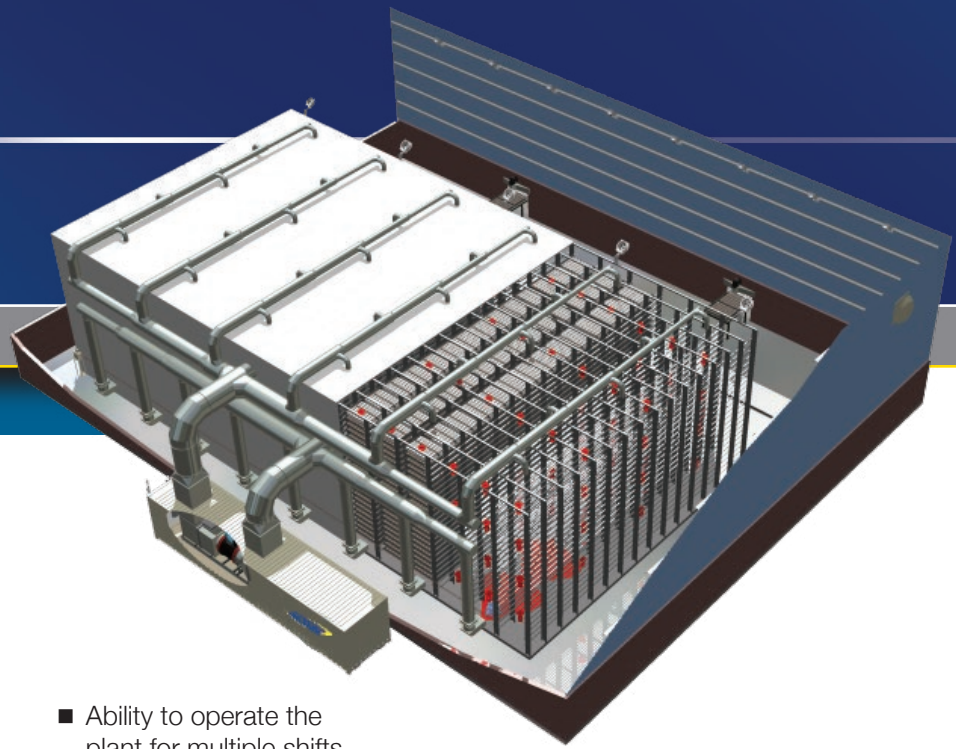


## Besser Controlled Curing

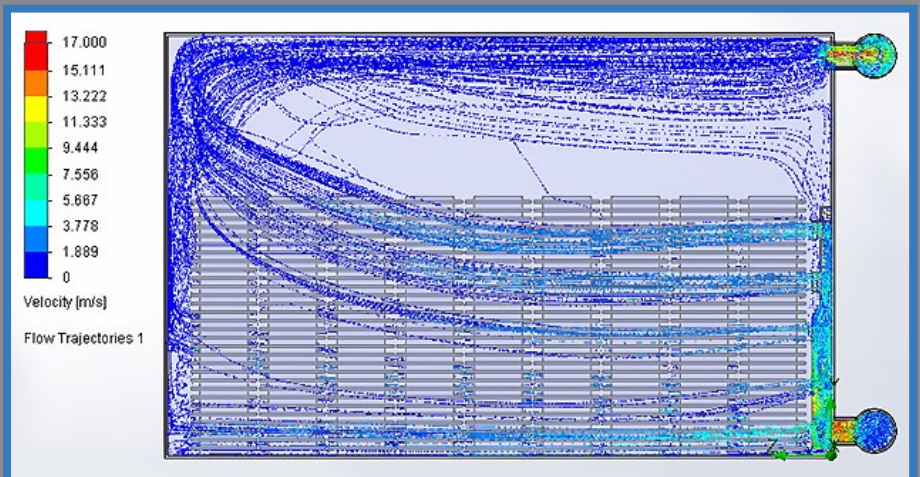
A consistent and controlled curing system.

### Features:

- Consistent conditions throughout the kiln
- Extremely good air circulation and destratification
- Individual control of temperature and moisture
- Control of efflorescence
- Consistent product color
- Early product strength gain
- Very low operating costs
- Ability to operate the plant for multiple shifts
- An opportunity for reduction in cement
- Optional secondary processing



Verification of air circulation characteristics within the curing chamber using Besser simulation software



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## Besser Warm Air Generators

A low cost thermal input system to cure concrete products from 250,000 to 5,000,000 BTU.

### Features:

- Includes a fully integrated high efficiency circulation fan and airflow control
- Option to use natural gas, LPG or oil

## OPTIONAL ENHANCEMENTS

- Air circulation systems
- Exhaust systems
- Fixed insulated structures
- Insulated doors
- Racking
- Automated product handling



*Racking Solutions*

## Besser Hydro Curing

Hydro Curing can be used in the curing sectors that require little or no airflow to cure products such as hollow core, roof tile and large precast segments.

### Features:

- High thermal efficiency
- Use of gas, oil and other fuels
- A wide range of thermal outputs available
- Low or medium pressure hot water transfer systems
- Compact containerized design for easy on-site installation
- Curing maturity control system



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