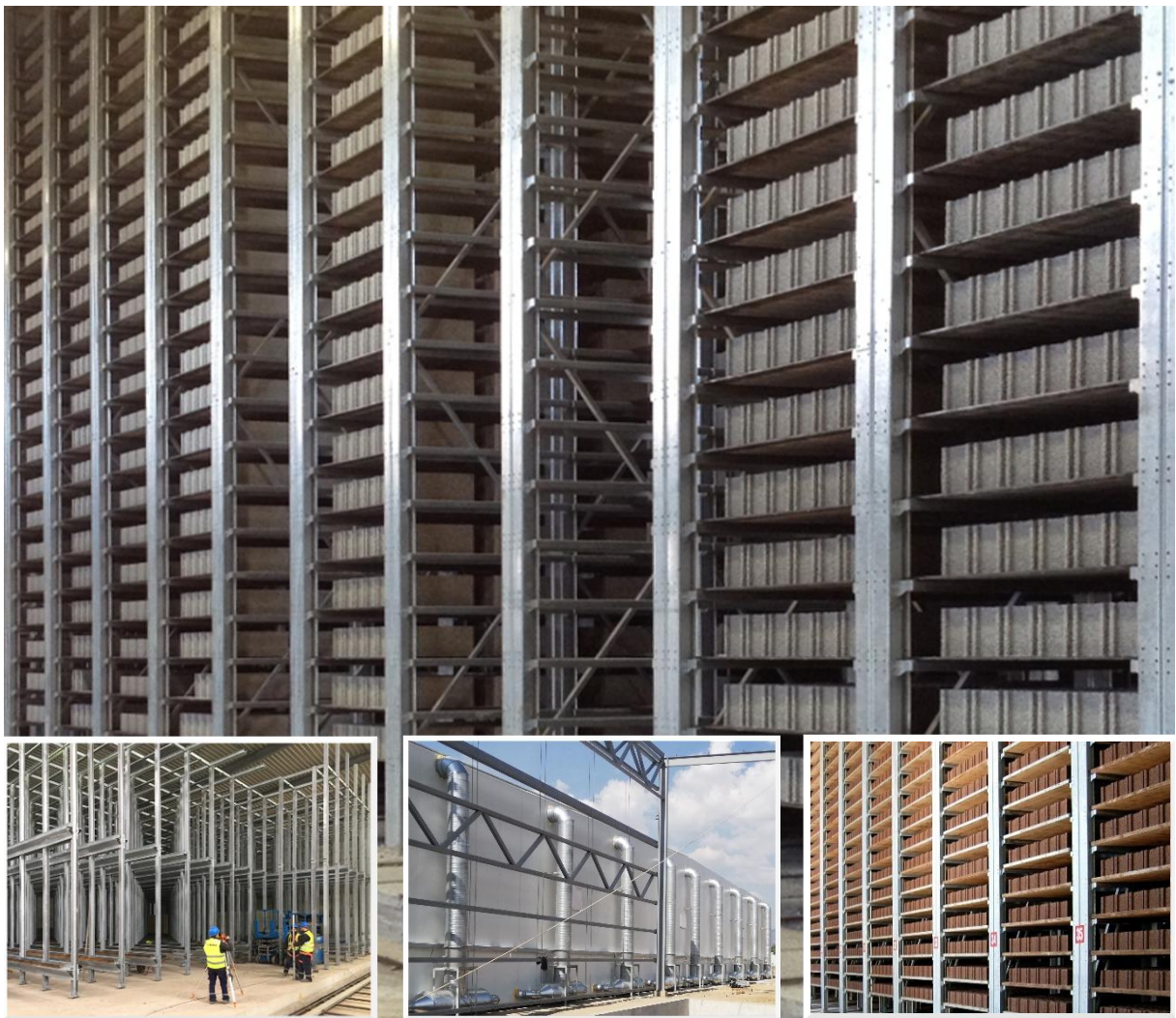


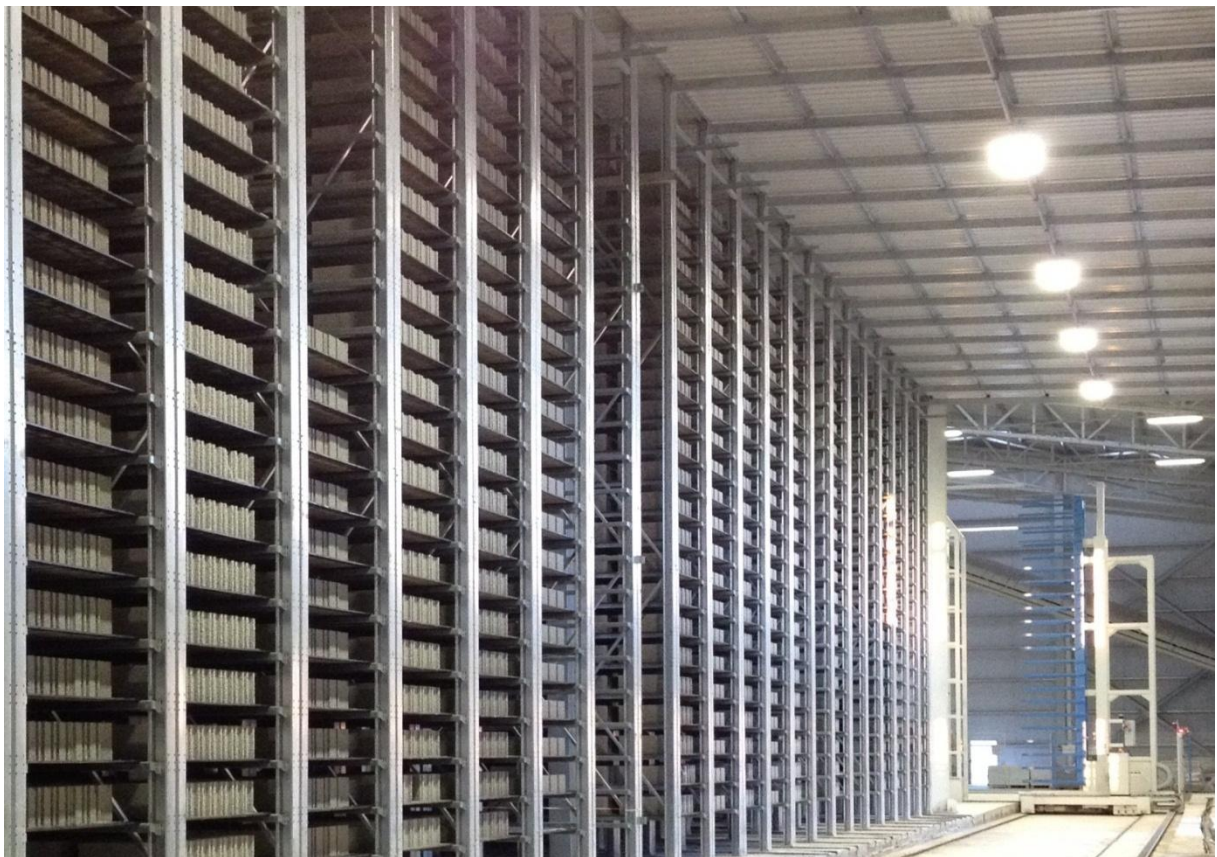


Curing Chambers for the Concrete Block Industry.



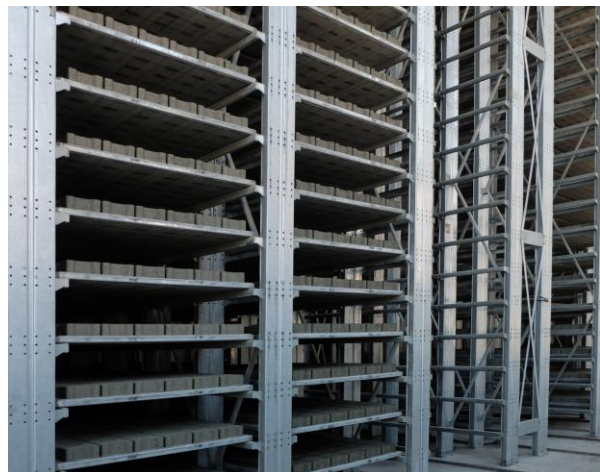
Durable.
Flexible.
Good.

www.curingracks.com



ELIFRAF Curing Chambers

First choice for the production
of all concrete elements



Elifraf Curing Chambers - Design for Success

Indoor Curing Chamber

As a part of the production building ("under the same roof").



Outdoor Curing Chamber

Installed separately from the main production building.
Including insulation walls & roof.



Elifraf Curing Chambers - Design for Success



Curing chambers in **BIG CHAMBER** design are the most economic solutions and can offer a uniform climate in all areas.

The efficiency of Big Chambers can be increased, if the transportation equipment is installed inside the curing chamber (which needs special provisions on the equipment side).

The curing results of Big Chambers can be improved with air circulation equipment.

Smaller chambers allow the curing of mixed product types and can increase the flexibility of the production. This style is very often called **INDIVIDUAL CHAMBER** design.

To avoid the loss of humidity and temperature, the single chambers are to be closed with roller shutter doors after being filled.

Also Individual Curing Chambers can be equipped with air circulation features.



Elifraf Curing Chambers - Advantages



The Elifraf standard

All single parts of the curing rack (columns, pallet support profiles, base plates, binders and more) are manufactured from blank steel. After the fabrication (cutting, bending, punching) of the components has been completed, they are hot-dip galvanizing of all parts according to DIN/EN ISO 1461, with a thickness of at least 70 μ . Depending on critical, project related factors (for example steam heating, usage of steel pallets or abrasive raw material) the thickness can be increased.

This is the best production method to protect all critical areas of the rack against early corrosion, and it is the standard execution of Elifraf curing racks.

Elifraf Curing Chambers - Advantages



ELIFRAF produces the vertical **columns** of the curing racks with a V-shaped profile, with the effect of a reinforcement fin.

This profile, which is unique on the market, results in columns with a significantly higher structural strength, but without the usage of more raw material.

The **pallet support profiles** are fixed to the vertical columns with a special snap-in system. ELIFRAF is the only producer who executes this system with two blades instead of one. This increases the strength of the connection without impacting the installation time, another detail, rising ELIFRAF curing racks above the products of other rack suppliers on the market.



The vertical columns are screwed to base plates, which are fixed with adjustable bolts to the concrete floor. The distance between these base plates and the floor is big enough to grant the **easy leveling** of the columns and the rails, which are welded to the same structure, also if the floor is uneven.

The screwed connection of the columns enables their safe replacement even after the concrete floor has been completely finished.

Elifraf Curing Chambers – Air Circulation

Perfect curing of concrete elements is influenced by the climatic conditions inside the curing chambers. The cement hydration process needs a balanced relation between temperature and humidity. ELIFRAF Air Circulation Systems support the curing process with

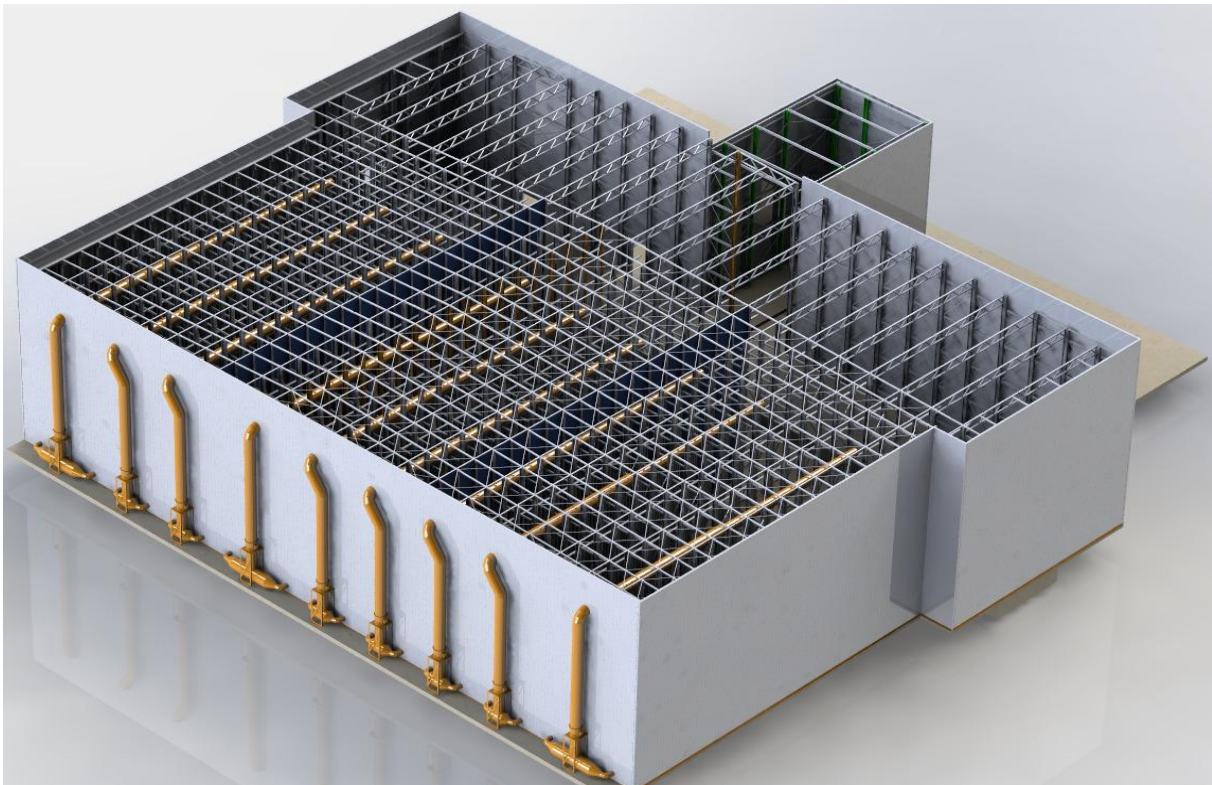
- Consistent temperature and humidity in all areas of the curing chamber
- Reduction of dripping of condensation water
- Reduction of color differences and efflorescence
- Equal strength of all products inside the curing chamber
- Reduction of curing time
- Improved early strength of the products



Elifraf Circulation Systems can be planned for new and existing curing chambers.

They consist of air ventilation fans in galvanized execution, air circulation ducts, temperature and humidity sensors and a computerized control system with a well-arranged interface screen, translated to the customers language.

Elifraf Air Circulation Systems are planned, produced and installed according to the customer project.



Elifraf Curing Chambers – Accessories

The availability of further accessories makes ELIFRAF to a one-stop-shop for complete curing racks.

Additionally to curing racks of all styles, ELIFRAF provides finger car rails, insulation of side walls, roofs or as a separation of the individual chambers and roller-shutter doors.

Mold storage racks are one example for additional types of racks, which belong to each modern concrete block factory. Another example for racks, which can be designed and delivered by ELIFRAF, are racks for pallet buffers.



Rails for Finger Car



Mold storage racks

Installation



ELIFRAF offers complete assembly and installation services on site, without the “ifs and buts” which customers can experience with "supervisory assemblies" or risks when the customers are motivated to execute this critical job by themselves.

A qualified ELIFRAF installation crew, assisted by helpers provided by the customer, erect the curing rack including all accessories like rails, insulation walls and housing according to the individual design of the project, in shortest time and at an unbeatable competitive cost level.

ARTEK Pallet Flow Systems

The perfect fit: ELIFRAF Curing Chambers and ARTEK Pallet Flow Systems



Finger Car Group



Finger Car in Double Layer Design



Finger Car Single Layer Design

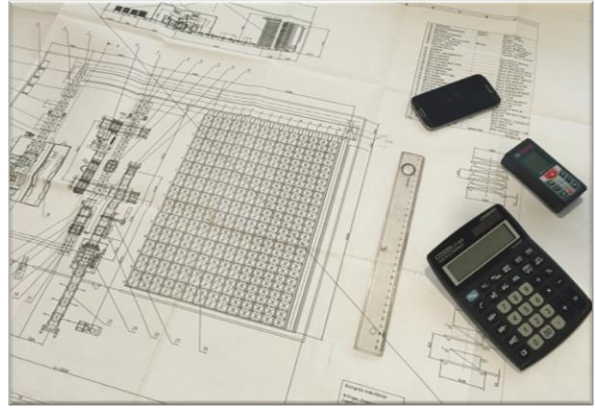
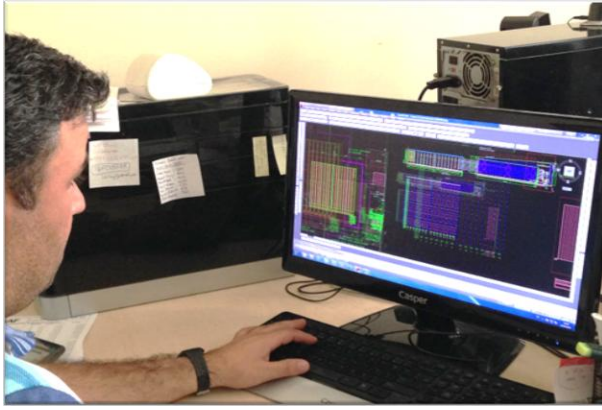


Your partner in Concrete Curing

No successful project without customized design and specific planning, considering the needs and possibilities of the customers.

Experienced engineers, equipped with state-of-the-art tools in computer technic and software, accompany you with your curing rack project, from the initial layout for the quotation, to all necessary steps in approval, preparation of civil works and installation and assembly.

If the specific projects requires, Elifraf provides you with testable static calculations in regard of special climatic environment (wind, snow) or regions with seismic activities.



ELİFRAF CURING RACK METAL TIC. LTD. STİ.

**ORGANİZE SANAYİ BÖLGESİ BEYKÖY BELDESİ
İSTİKLAL OSB 1 MAH. 1.CAD NO:21 DÜZCE, TÜRKİYE**

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To receive a quotation for your curing rack project, please use the Request for Quotation form, which you can find on our homepage:

www.curingracks.com



The best Curing Chambers for perfect concrete elements.

