



HS-ALU-PREMIUM

Curing chambers for the concrete industry
in an innovative aluminium version

- + low weight
- + resistant to corrosion

HS Anlagentechnik

Innovative in development

Technological progress in the concrete industry is enormous. Advancing automation and high-tech machines on the one hand and innovative new products on the part of concrete block manufacturers on the other are characteristic of this. HS Anlagentechnik has been continually involved in this development – HS-Alu-Premium, the aluminium version of the curing chamber, is impressive proof of this.

Curing chambers by HS Anlagentechnik are the logistic link between the wet and dry sides in these production lines. The freshly made elements are stored and the hardened products retrieved, assembled into packets and prepared for dispatch. The necessary storage capacities must be provided – stable, resilient, dimensionally accurate.

Big chamber or single chamber system, board capacity, board loading and spatial requirements are just a few of the factors to

be considered in order to arrive at a complete made-to-measure system. Are roller shutters required, or chamber insulation?

An air circulation system for the avoidance of fluctuations in temperature and humidity? Whatever you require, we will be pleased to make you an individual offer, concerning with all of the factors that are decisive for the hardening of high quality concrete elements – worldwide.

The high value and planned in detail curing chambers from HS Anlagentechnik are convincing customers all over the world. Benefit from our over 40 years experiences in shelf construction, our pronounced product understanding and knowledge of the industry – we are pleased to make you an individual offer.

HS Anlagentechnik – technology with profile, technology for professionals



HS Anlagentechnik – the complete range:

- Curing chambers made of aluminium profile or specially galvanised steel profile
- Free-standing version with facade
- Air circulation systems
- Brett buffer shelves
- Mould storage racks
- Special racks
- Rails and sleepers
- Chamber insulation
- Roller shutters
- Complete assembly
- In the case of self-assembly, instruction and final inspection by our supervisor is possible
- Customer support, Advice & Planning from one hand

HS-Alu-Premium

Proven technology, further thought

Same technology, low weight material.

The aluminium version of the curing chamber – HS-Alu-Rack – is a further constructive contribution to the concrete block industry by HS Anlagentechnik.

Aluminium is a universal material with convincing properties that stand for functional, durable and reliable products. It is used in the widest variety of shapes and functions in almost all industrial manufacturing sectors. Its main advantages are its low weight, its high strength and rigidity, its very high resistance to corrosion and its outstanding recyclability.

The snap-in-connection

Fast, safe, immovable – just plug and bolt.

Just insert, press downwards – and the post and support profiles are fixed permanently to one another. The aluminium parts latch precisely with one another to the exact millimetre. This ideal snap-in connection gives rise to one advantage after another: Saving of time due to the simplest possible assembly. Extreme rigidity of the curing chambers allows maximum static loading and highest load capacities. Technology that means cost reduction and production safety – technology for professionals.

Assemble it yourself

The chamber system and the snap-in connections offer the best conditions for fast, safe assembly or selfassembly and, hence, a saving on costs. Our assembly instructions provide valuable help here.



Well mixed – aluminium alloys

The aluminium alloys (AlMgSi = aluminium, magnesium, silicon) that have been specially chosen for pallet supports and posts are composed so as to produce the extremely heavy duty curing chambers that are indispensable in the concrete industry.

The TÜV has recognised that too!

The load capacity of the pallet supports with snap-in connection has been tested by the TÜV. The test report confirms that the required load capacity of the support profile is safely ensured.



The HS building kit

System Capacity and planning made to measure

HS Anlagentechnik supplies curing chambers in a building kit system. Up to six chamber lanes are assembled together in a frame construction mode and combined with one another.

Chamber system structure for variable numbers of storage places



Two, three, four and five-chamber combinations

E.g. if 10 chamber lanes are required, these can be made up of two 5-chamber combinations or two 4-chamber combinations and one 2-chamber combination. The number of storage spaces can be planned individually and easily expanded.

Each of these assemblies is a self-contained, absolutely solid unit with an inherent structural stability. The biggest advantage of this is that curing chambers by HS Anlagentechnik can always be constructed free-standing. They do not need to be braced laterally or upwardly. Greater safety for heavily loaded storage systems that are continuously in operation.

Tough in use

Components of our curing chambers in detail

Levelling

Levelling bolts on the lower frame girders enable the vertical and horizontal adjustment of the curing chamber.

Rails

Rail system inside the curing chamber for storage and removal from storage.

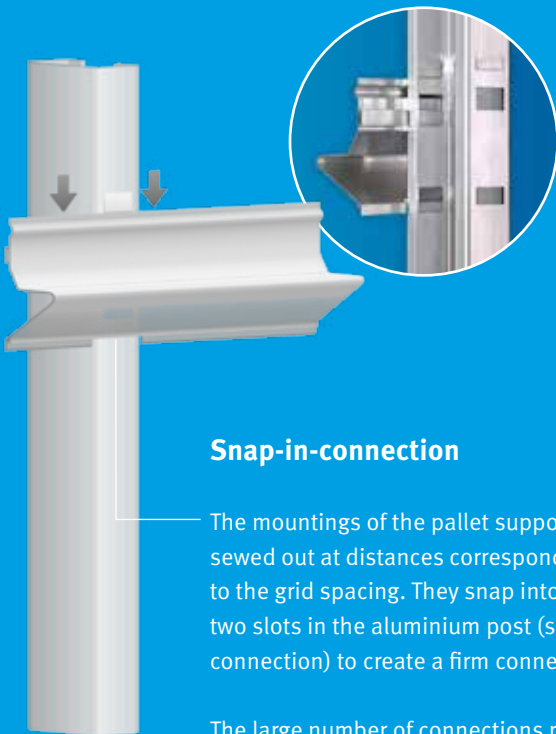
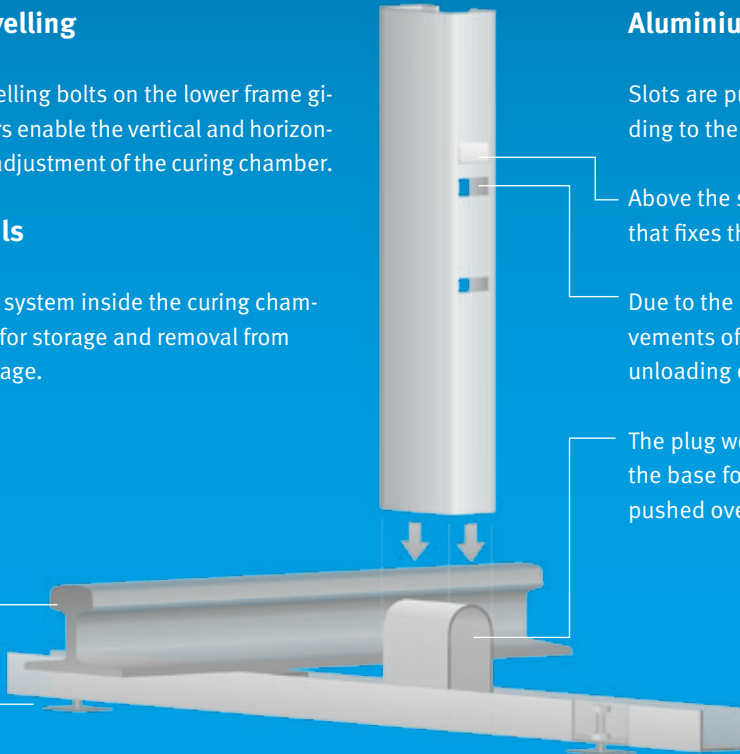
Aluminium post (upright profile)

Slots are punched in the post profile corresponding to the spacing of the planned levels.

Above the slots, a tab is stamped into the profile that fixes the board support (support profile).

Due to the exact fit of the slots, damaging movements of the pallet support during loading and unloading of the chambers are avoided.

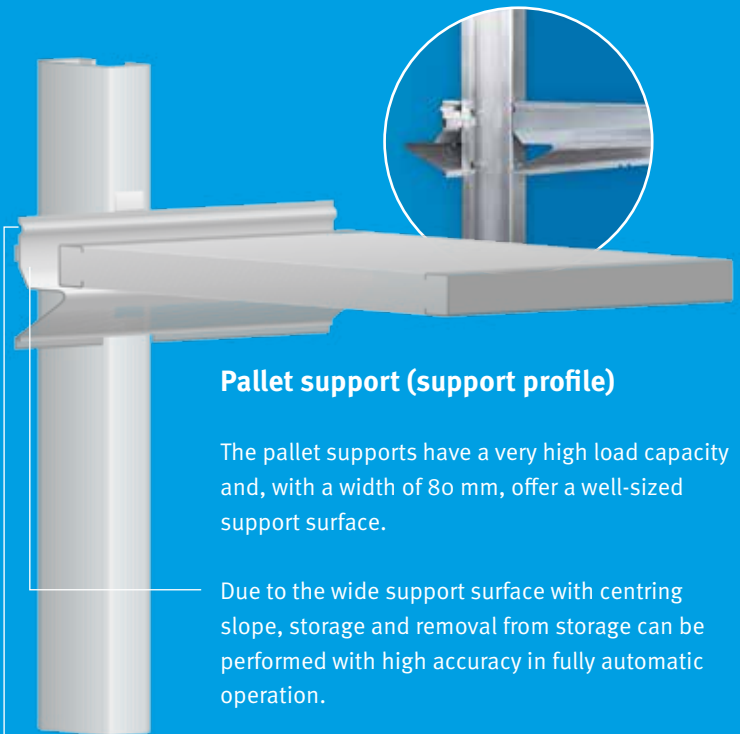
The plug welded to the lower frame girder forms the base for the post profile. The post is simply pushed over it to create a stable joint.



Snap-in-connection

The mountings of the pallet supports are sewed out at distances corresponding to the grid spacing. They snap into the two slots in the aluminium post (snap-in connection) to create a firm connection.

The large number of connections resulting from the number of levels gives the entire construction an extremely high rigidity.



Pallet support (support profile)

The pallet supports have a very high load capacity and, with a width of 80 mm, offer a well-sized support surface.

Due to the wide support surface with centring slope, storage and removal from storage can be performed with high accuracy in fully automatic operation.

The continuous lateral board guide with high bead prevents the loaded production pallets from colliding with the aluminium posts.



Air circulation systems create the right conditions for constant temperature and humidity distribution inside the curing chamber. Optional: with active temperature and humidity control.

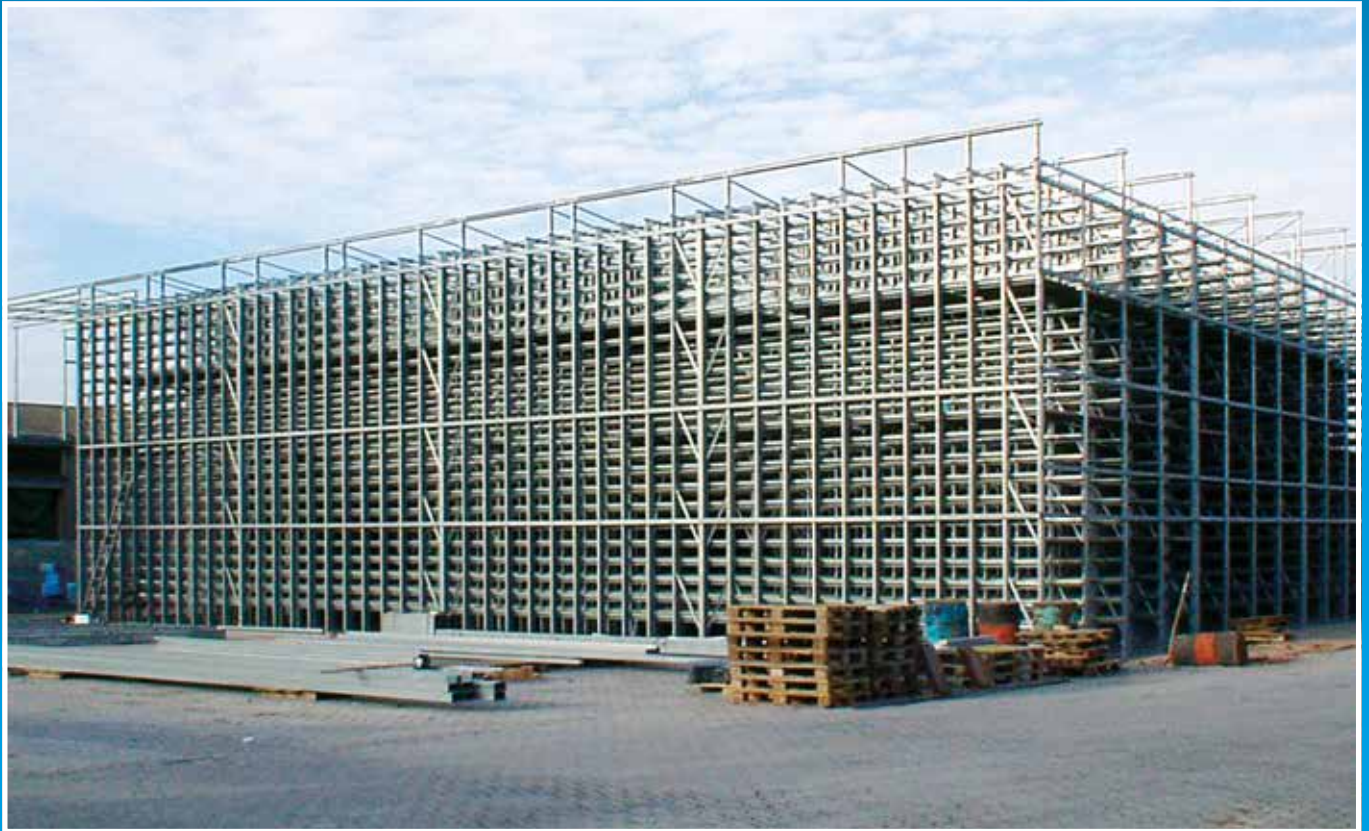


Secure storage and removal from storage by the finger car – the high lateral bead of the pallet support, with its continuous lateral guide, prevents collisions with the aluminium posts.



Curing chambers by HS Anlagentechnik are distinguished by their extremely high dimensional and fitting accuracies, parallelism and stability.

Worldwide at your service



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