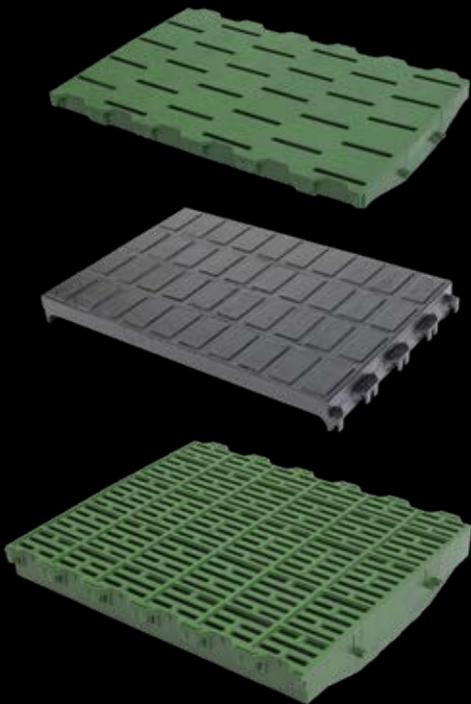




COMBI-FLOOR

Complete flooring program for your barn

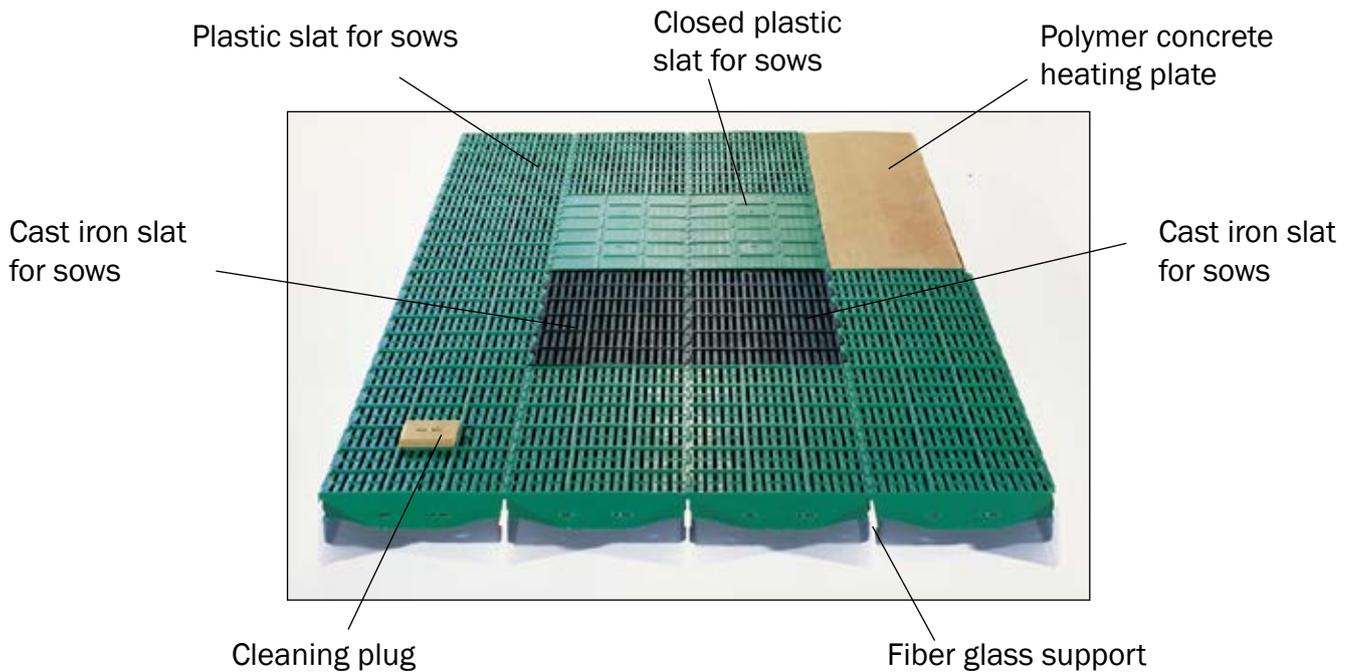


- Tested and approved plastic slats in high quality from our own production in Germany
- Wide assortment of plastic slats, cast iron slats, supports and heating plates
- High flexibility - the components can be combined according to your needs
- Competitive prices, short delivery time
- Green color as a sign of good quality
- No recycling

| COMBI-FLOOR |

Complete flooring program according to German quality standards

ACO FUNKI offers the complete flooring program for pig barns. Our plastic and cast iron slats have been on the market for 30 years and they are under constant development and optimization. ACO FUNKI plastic slats are produced and tested in Germany; it ensures the best quality and durability.



Plastic slats produced in Germany, which ensures high quality and fast delivery.



We ensure our quality through impartial quality controls.



Strict quality control of raw materials - during and after the production.

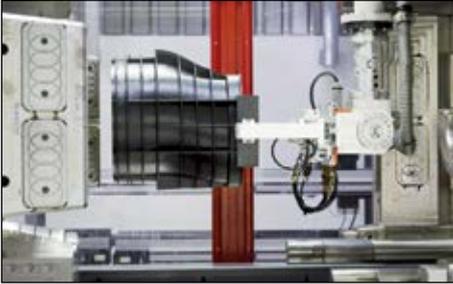
| CAST IRON SLATS FOR COMBI-FLOOR |

Development process



STEP 1

New ideas at R&D department at ACO FUNKI in Denmark --> This is transferred to ACO India, where competent engineers make the drawings. Furthermore, they make use of modern simulation systems - FEA, where they can compare the deflection and stress level to obtain the right level of loading.



STEP 2

The first sample of the product is being checked according to the high quality standards. With many years of strong quality behind us, quality control is an essential factor throughout the production process, guaranteeing unchanging standards of high quality you can trust.



STEP 3

We further test our products at external partners to ensure that we deliver not only high quality, but the best quality on the market.



STEP 4

When the product has been through our quality assurance program and ensured us the best product on market, the production of the final product starts.



STEP 5

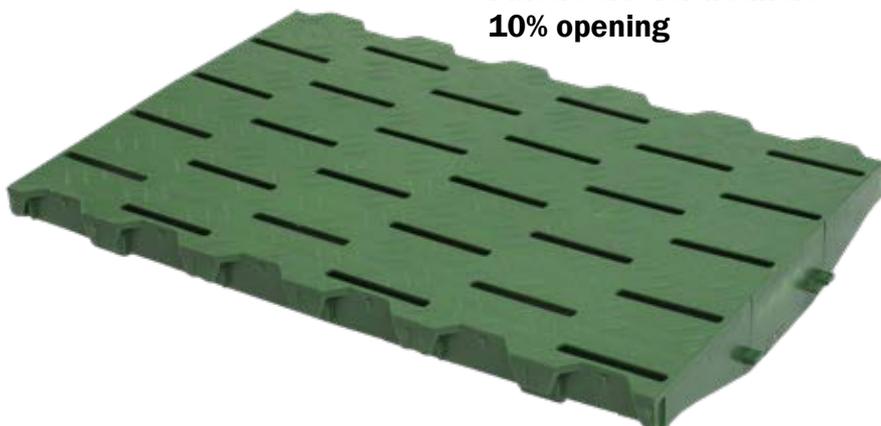
To cover our customers need, we finally stock pile our cast iron gratings, to ensure that you get faster deliveries.

| PLASTIC SLATS FOR COMBI-FLOOR |

Special slats for sows and weaners

ACO FUNKI sow slats are made of durable polypropylene material. The slats' surface structure is specially adapted to the animals anatomy, and it ensures very good slip resistance and, at the same time, high comfort.

**Plastic slat for weaners
10% opening**



The special plastic slat has an innovative surface structure and 10% opening. It helps the piglets stay warm and dry. In addition, it excludes the risk of their claws to be caught in the holes.



**60x40 cm
10% opening**

Article nr. 18604

ACO FUNKI has developed a new 60x50 cm plastic slat for sows. It makes it possible to make farrowing pen, where you can combine it with a 50 cm heating plates. It means *25% extra heating capacity* compared to the 40 cm heating plates.

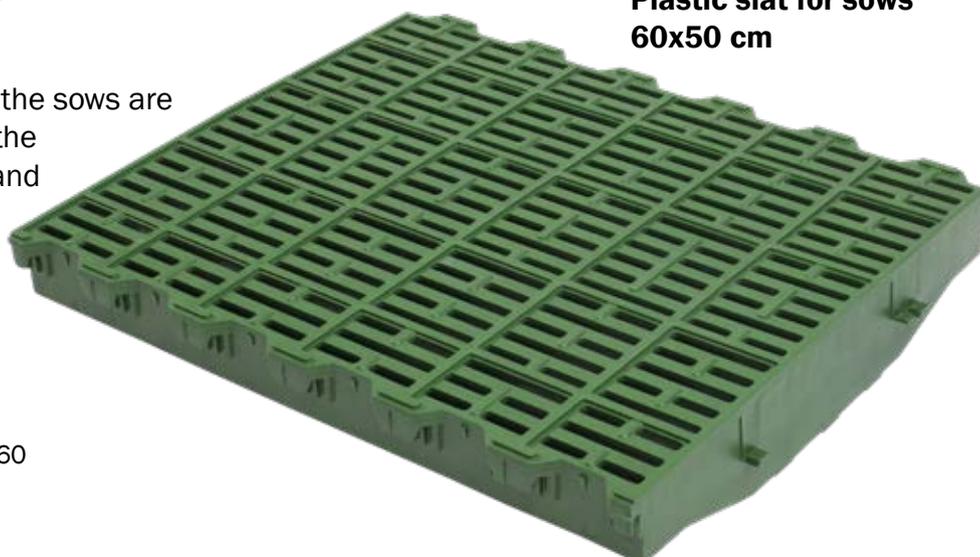
The need has occurred because the sows are getting more piglets, and it sets the demand for larger piglets nests and heating plates for piglets.

**Plastic slat for sows
60x50 cm**



60x50 cm

Article nr. 565060



| PLASTIC SLATS FOR COMBI-FLOOR |

Many combinations for any need



**Plastic slat for sows
30x60 cm**

Article nr. 18721



**Plastic slat for weaners
60x40 cm**

Article nr. 09100



**Plastic slat for sows
60x40 cm**

Article nr. 09102



**Plastic slat for weaners
60x50 cm**

Article nr. 17384



**Plastic slat for sows
60x40 cm closed**

Article nr. 17383



**Plastic slat for sows
30x30 cm**

Article nr. 17328



**Plastic slat for sows
10x40 cm**

Article nr. 18054



**Plastic slat for sows
30x20 cm**

Article nr. 18094

| CAST IRON SLATS FOR COMBI-FLOOR |

STEP-system for sows in farrowing pens

The STEP-system is especially designed to elevate the sow's lying area in order to reduce the risk of crushing the small piglets by the sow, thus, reducing piglets' mortality. Furthermore, customers' experience shows, that piglets have better conditions for nursing.



40x60 cm STEP

Article nr. 564061



40x60 cm STEP closed

Article nr. 564062

Testimonial

"Increased productivity from 33,60 piglets per sow/year to 36,80 piglets per sow/year from January to August 2016. This increase in productivity was reached after rebuilding their farrowing pens with ACO FUNKI's STEP-system. The farm has got several awards in Portugal for productivity."

"Exploração Nuno Correia - Ota" farm, Portugal

| CAST IRON SLATS FOR COMBI-FLOOR |

One of the largest assortments in the industry

Slats with 5% opening are designed to reduce pressure sore while making sure that the sow has a dry and cool area.



**Cast iron slat
60x40 cm 5% opening**
Article nr. 566041



**Cast iron slat
10x60 cm**
Article nr. 561060



**Cast iron slat
60x40 cm**
Article nr. 566040



**Cast iron slat
40x60 cm closed**
Article nr. 564063



**Cast iron slat
60x60 cm**
Article nr. 566060



**Cast iron slat
40x60 cm**
Article nr. 564060



**Cast iron slat
30x60 cm**
Article nr. 563060

I HEATING PLATES I

“Made in Germany” as a sign of high quality

The heating plate is used in farrowing pens to ensure optimal comfort for piglets and better survival ability during the first few days. With ACO FUNKI heating plate you get:



- Fast and equal heating
- Better heat utilization and lower energy consumption
- Good piglets welfare
- Optimal heat distribution
- Possibility for electrical or hot water heating plates
- Minimum maintenance
- Optimum growing conditions even for the smallest pigs
- The bottom is provided with insulated foil material -> heat rises upwards
- Stable and durable
- Easy and inexpensive installation

EL-HEATING PLATE

17582 L: 120 x W: 40E - 230V, 130W

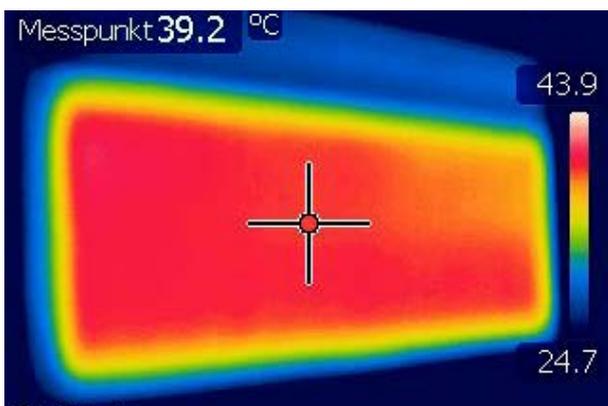
18409 L: 120 x W: 50E - 230V, 180W

17792 L: 120 x W: 80E - 230V, 270W

18855 L: 140 x W: 50E - 230V, 180W

CONNECTION:

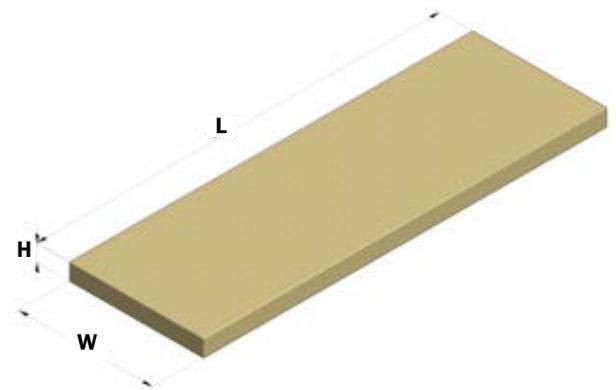
In the ACO FUNKI heating plate for EL, there are molded electric heating treads in the polymer concrete, which makes the installation easy and cheap. In this model it is possible to connect many plates in series, however a control unit will only cut handle up to 1250 W, but with a relay the control unit will handle 2500 W.



Even heat distribution

Bracket kit for heating plate

Article nr. 4960560



HEATING PLATE FOR HOT WATER

12630 L: 140 x W: 50, 240W with ½" pipe int. thread PVC

12631 L: 120 x W: 40, 240W with ½" pipe int. thread PVC

12633 L: 120 x W: 50, 120W with ½" pipe int. thread PVC

17813 L: 120 x W: 60, 160W

17814 L: 120 x W: 60, 4S 4 sided

17634 L: 120 x W: 60, 3S, 3 sided

17640 L: 120 x W: 60, 2S 2 sided

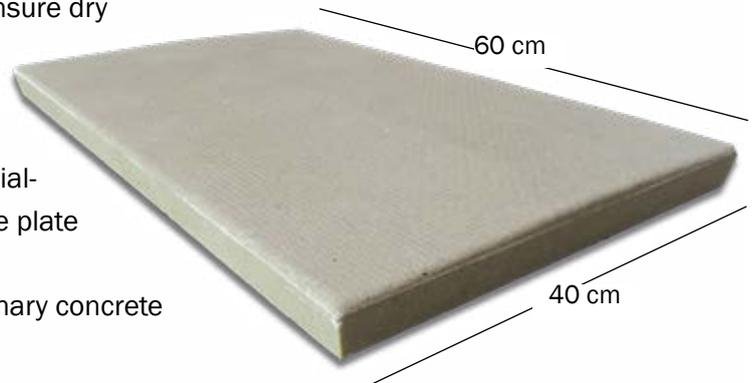
CONNECTION:

With ACO FUNKI heating plate for water, there are molded high-pressure pipes in polymer concrete with clamp fittings, this makes the installation easy and cheap. In this model it is possible to connect the heating plates in series up to five units, where the temperature is regulated by one thermostat.

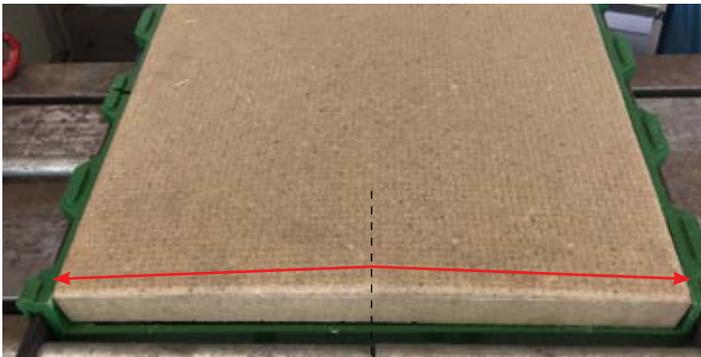
| COMFORT PLATE |

Polymer plate for sows in farrowing pens

- Comfort Plate has dimensions of 60 x 40 cm, and the plate is developed in order to help sows to cool off and at the same time to ensure dry surface.
- The plate is made of polymer concrete, so the surface is always non-slip without sharp edges.
- The plate is supported and held in place by a specially designed plastic support, which ensures that the plate follows the floor surface.
- Comfort Plate can be used as a substitute for ordinary concrete tiles, if they have become rough in the surface.



SUPPORT FOR COMFORT PLATE:



560305 Polymer plate for farrowing pen 60x40 cm
560310 Polymer plate for farrowing pen, complete



560300 Plastic frame 20x40 cm for polymer plate,
(3 pcs. per 1 polymer plate)



- Protects sows from shoulder damages
- Cools the sow off
- Non-slip surface
- No sharp edges
- Always dry surface
- Easy mounting
- Stronger than regular concrete

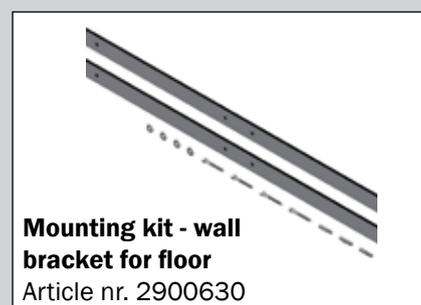
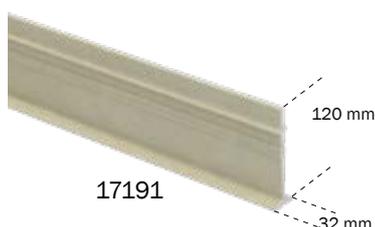
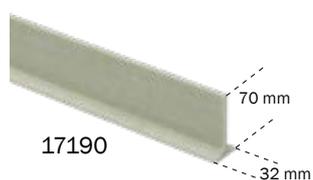


| SUPPORT AND ACCESSORIES |

Fiber glass and Delta support

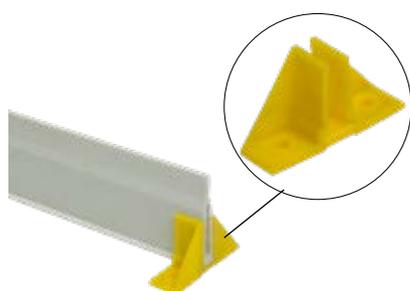
1. FIBER GLASS SUPPORT

Article nr.	Dimensions, mm	Length	Max span length, cm		
			Weaners	Sows	With cast iron under sow
17189	70 X 32	6 m	160	120	-
17190	70 x 32	Spec. length	160	120	-
17191	120 x 32	5 m	280	240	260
17192	120 x 32	5,5 m	280	240	260
17193	120 x 32	6 m	280	240	260
17194	120 x 32	Spec. length	280	240	260



2. DELTA SUPPORT

Article nr.	Dimensions, mm	Length	Max span length, cm		
			Weaners	Sows	With cast iron under sow
96976	120 x 30	Spec. length	310	270	280
560285	120 x 30	2,85 m	310	270	280
560290	120 x 30	9 m	310	270	280

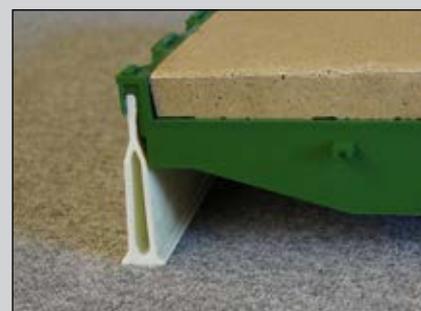


Mounting bracket for fiber glass support
Article nr. 96982



Foot bracket for support leg, set, for fiber glass support
Article nr. 96980

Pipe PVC Ø50 x 2,4, 10 Bar, price per meter
Article nr. 20000065



| ACCESSORIES FOR PLASTIC SLATS |

Adjustment on spot

- Good design
- Innovative solution
- Save mounting costs
- Easy adjustment in length and width



Fitting for sow slat 40 cm
Article nr. 17667



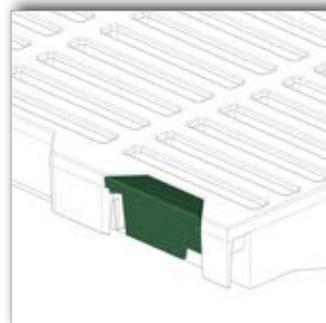
Spacer for PVC floor
30 x 40 x 58,3 mm
Article nr. 8500301



Cross-section adapter, 20 cm
Article nr. 18083



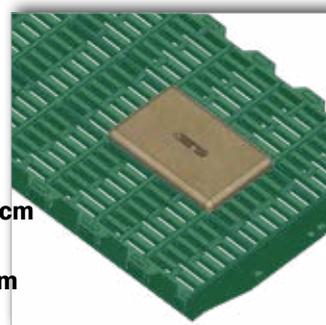
Filler for green plastic slat
Article nr. 09105



Muck trap for farrowing pen
38,5 x 18,5 cm, stainless steel
Article nr. 18169



Cleaning plug L13 x B10 x H15 cm
Article nr. 01777
Cleaning plug L21 x B13 x H7 cm
Article nr. 554164

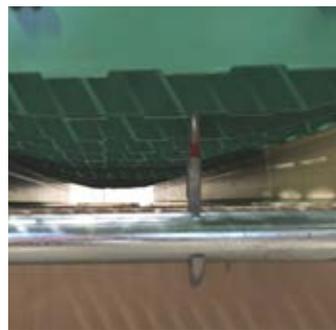
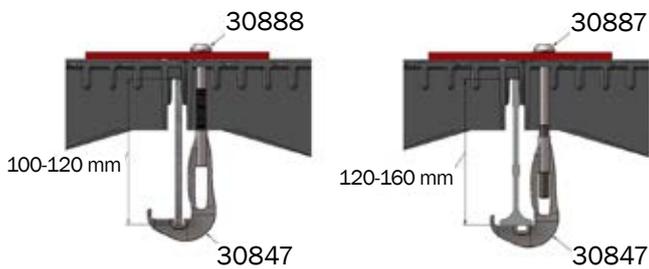


I INN-O-PLUG I

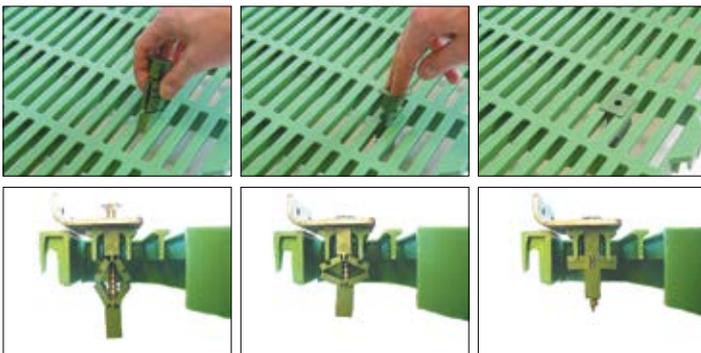
Fastening solutions for plastic and cast iron slats

I. FASTENING OF PLASTIC SLATS

- 30847 Anchor M8
- 90130847 Anchor M8, large
- 30887 Machine bolt 8 x 120 (Torx 50)
- 30888 Machine bolt 8 x 90 (Torx 50)
- 30308071 Buttonhead SS M8 x 70 w/o washer
- 1900241 Bolt-on fitting, 10 pcs.
- 18958 Rhomb screw anchor for plastic slats for weaners (set 10 pcs.)



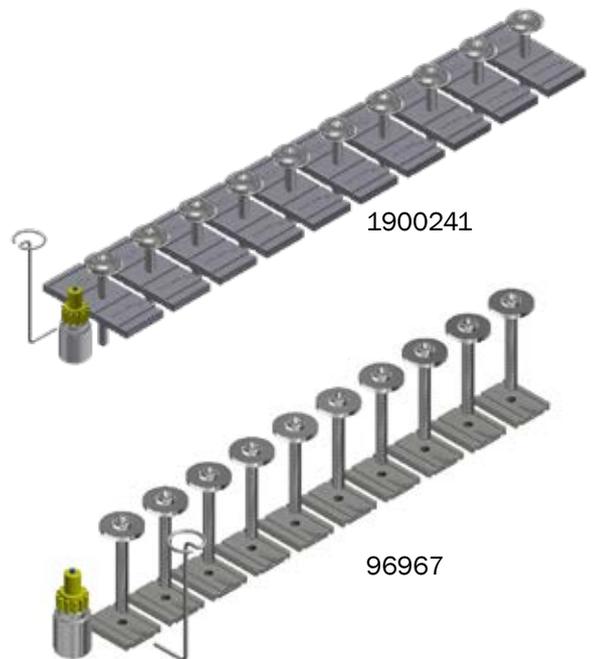
J-bolt mounting - article nr. 30847 and 90130847



Mounting of rhomb anchor - article nr. 18958

II. FASTENING OF CAST IRON SLATS

- 1920241 Bolt-on fitting
- 1900241 Bolt-on fitting - set, 10 pcs.
- 96965 Mounting bracket
- 96967 Mounting bracket - set, 10 pcs.
- 30308071 Buttonhead SS M8x70 w/o washer TORX 50



| SMALL DETAILS - BIG DIFFERENCE |

“We save 2 weeks per year on washing with ACO FUNKI floor”



Testimonial

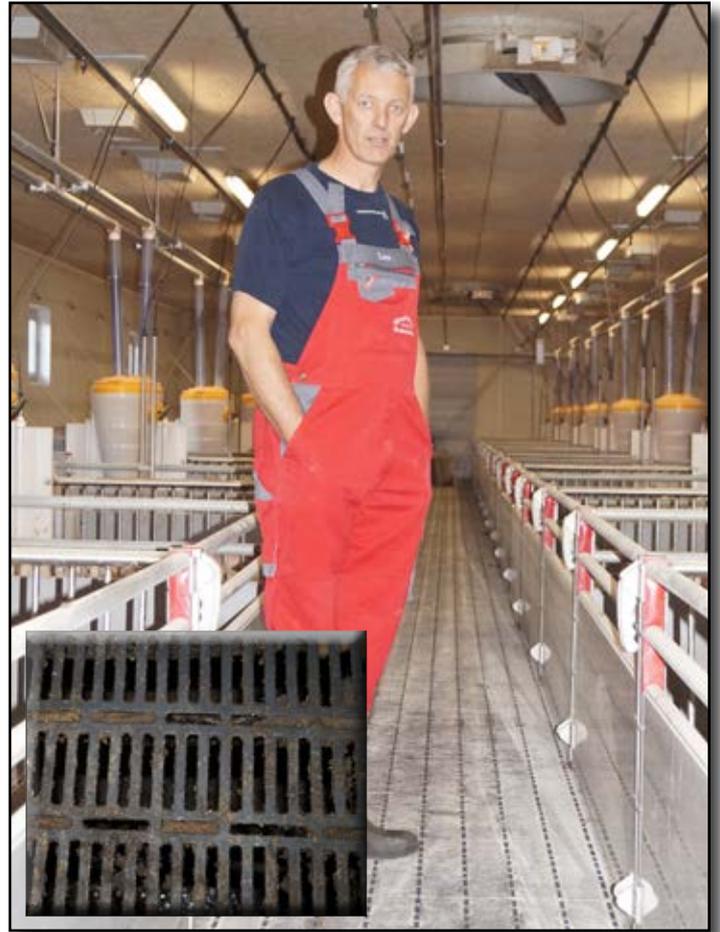
“New piglet farm was built in 2016, identical sections, the only difference is the floor.

The small details make the big difference: 6 hours washing time for ACO FUNKI floor vs. 7,5 hours washing time for not ACO FUNKI floor. It means 20% more washing time for the not ACO FUNKI floor. ACO FUNKI floor is also more stable and strong.”

Karsten Kur Jensen, Risgaarden, Viborg, Denmark - 2150 sows, 83000 weaners



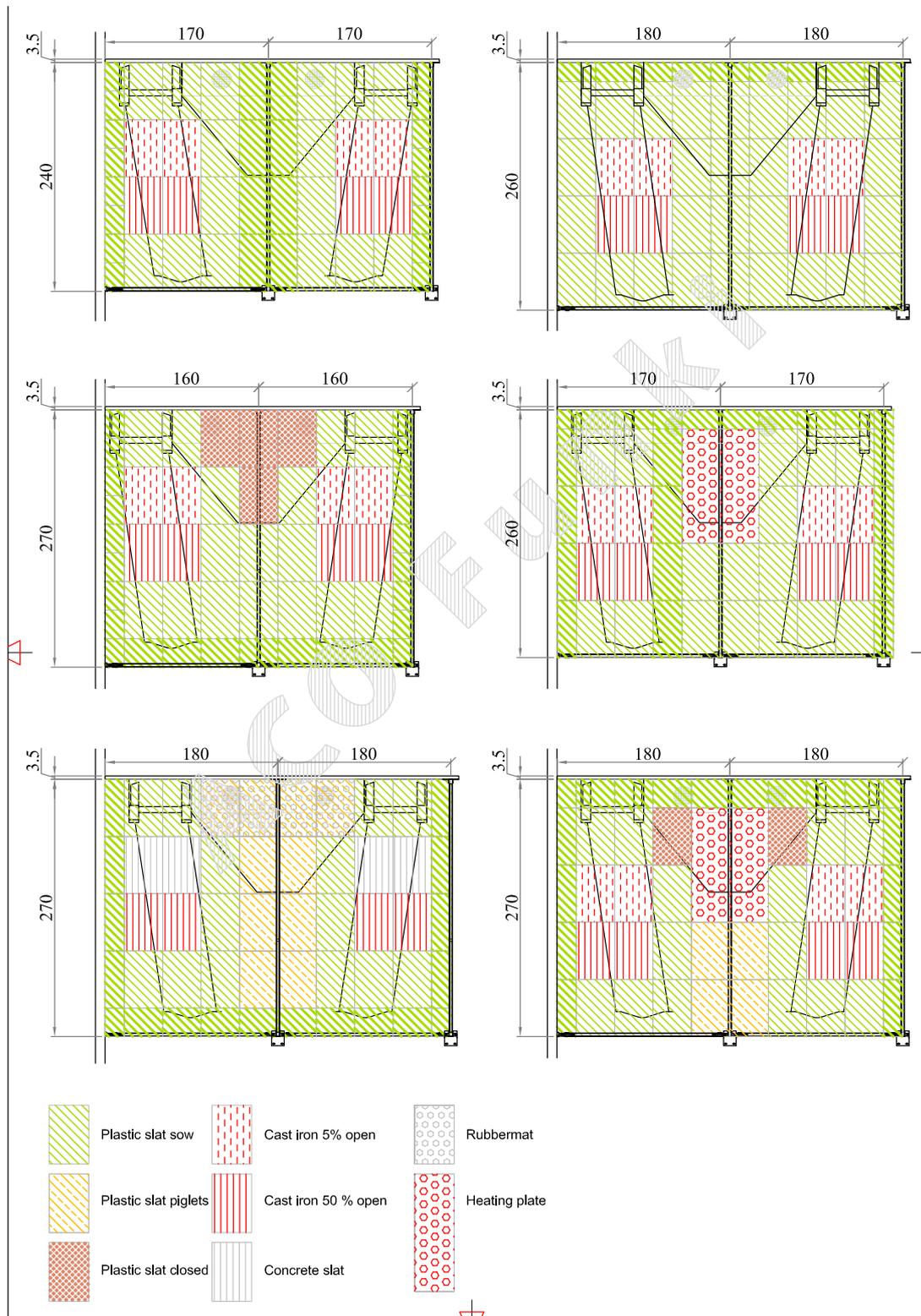
Washing time: 6 hours pr section



Washing time: 7,5 hours pr section

COMBINATIONS OF FARROWING PENS

Innumerable possibilities



COMBINATIONS OF FARROWING PENS

Innumerable possibilities

