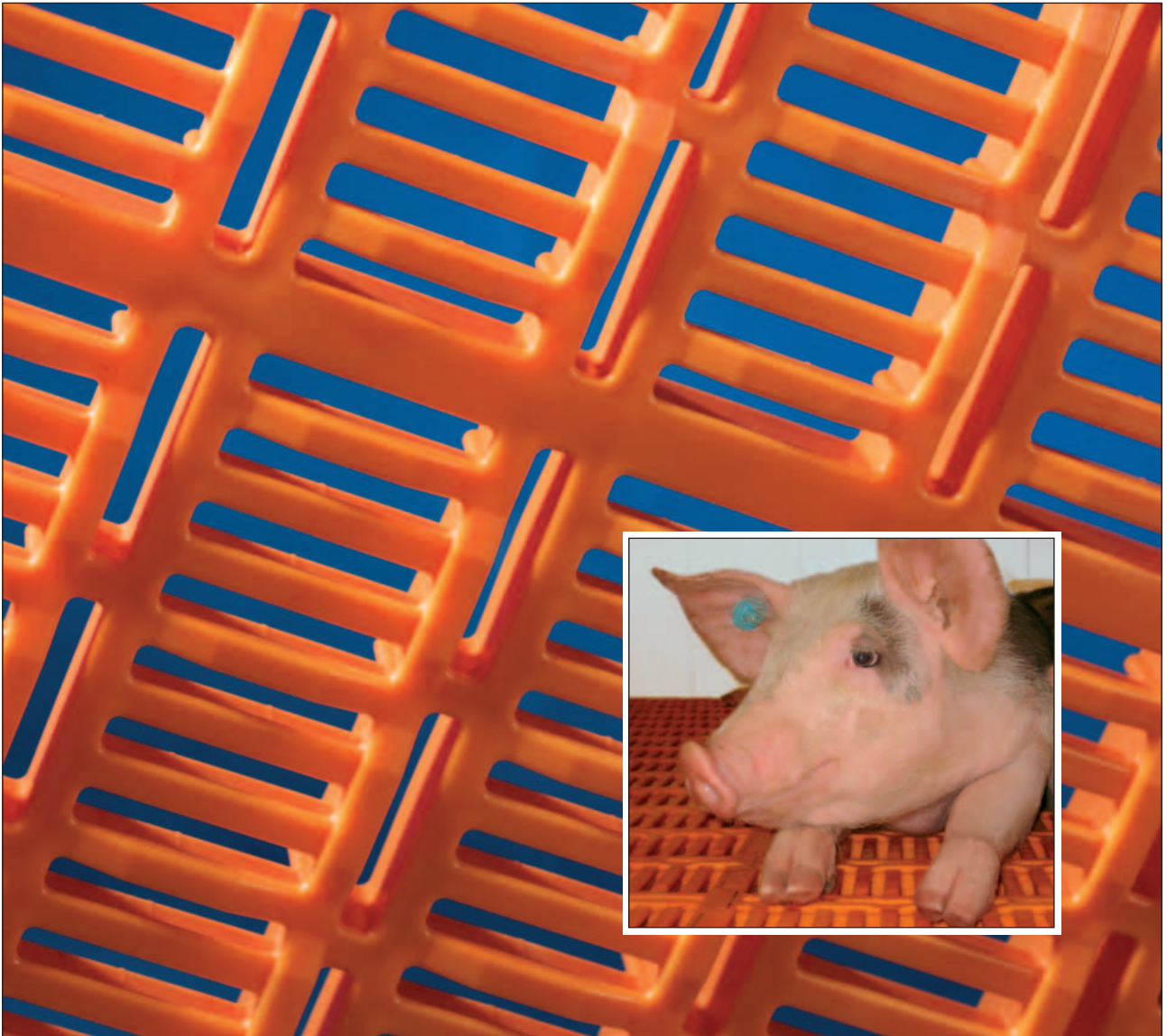




Big Dutchman®



Floor systems

for energetic sows and healthy piglets

Hygienic floor systems for farrowing and rearing pens

Big Dutchman's new floor systems meet our customers' high demands for hygienic, productivity-enhancing and animal-friendly housing. Our extensive product range includes the following components:

- slats, made of high-quality plastic, available in different sizes;
- plastic slats with integrated rubber mat;
- cast iron slats with different solid-to-void ratios;

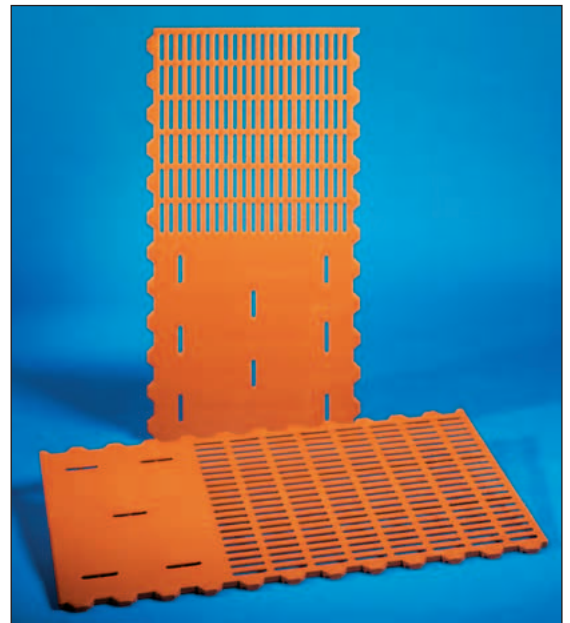
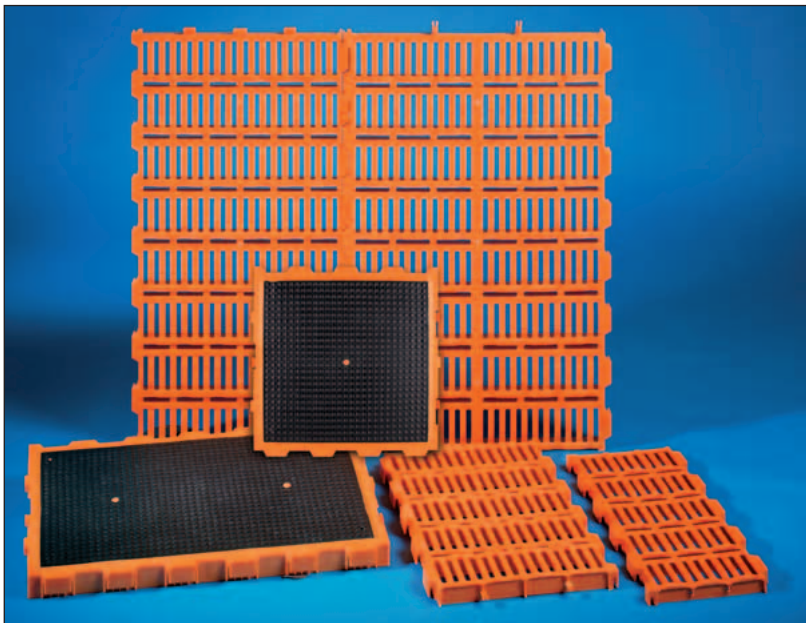
- heating plates made of concrete polymer or plastic;
- bearers made of galvanized steel, stainless steel or GRP.

Due to the great flexibility of our modular system, it is possible to create any possible pen design and size.

Floor systems for farrowing pens – innovative and comfortable

Sows and piglets require a different floor design. This is why we offer different possibilities for a combination of plastic slats with cast iron slats or an integrated rubber mat and heated pads for piglets.

Thus we are always able to offer the best possible solution to suit the individual requirements of our customers.



SowComfort– plastic flooring with an integrated rubber mat

SowComfort is a brand-new development by Big Dutchman. The hard-wearing, non-slip rubber mat guarantees a secure foothold for the sow, especially when the sow stands up or lies down. A special method has made it possible permanently to integrate a non-slip rubber mat into the plastic slat at the time of manufacturing. As a result, SowComfort can easily be incorporated into the Big Dutchman floor system.



SowComfort – offers stability to the sow, shows no signs of wear



SowComfort's advantages at a glance

- extremely secure foothold and stability for sows in the farrowing pen and thus increased well-being;
- significantly reduced piglet losses due to over-laying as the sow is able to lie down slowly and safely;
- better constitution of the sow, better milk production and higher weaning weights, as the sow stands up more often and so has an increased feed and water consumption;
- the sow rests in a more relaxed manner as the rubber prevents injuries to the teats;
- when suckling, the piglets stand with their forefeet on the rubber mat without them slipping to the sides;
- rubber is a soft material that means there is no knee-grazing;
- easily cleaned with a high-pressure cleaner;
- very good abrasion resistance, long service life.

Heating plates ensure an even heat distribution and have an excellent heat storage capacity

Heating plates ensure optimum temperature conditions in the piglets' resting area, no matter whether it be in the farrowing or rearing pen.

Our delivery programme includes heating plates of different materials and different sizes. They can either be integrated into, or placed on, the slats.

This includes heating plates:

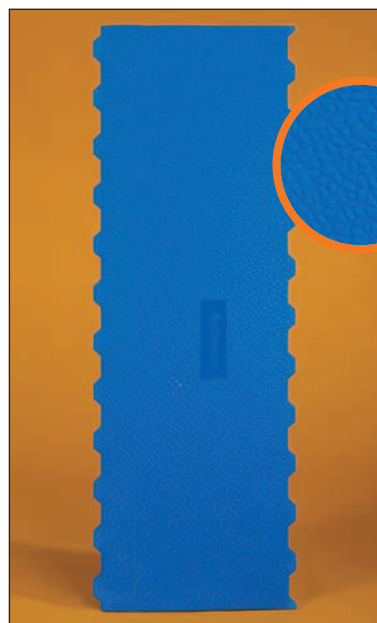
- made of **concrete polymer** with a well-structured

profile, heated by hot water pipes or heating wires;

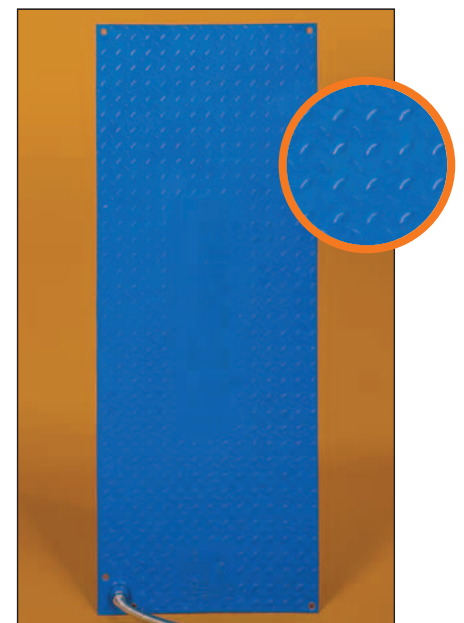
- made of **plastic** ensuring an even heat distribution as the plates are filled with water;
- made of **glass fibre reinforced plastic (GRP)**; these electric heating plates have a comparatively light weight and a reasonable price.



Concrete polymer heating plate



Plastic heating plate



GRP electric heating plate

Placement examples for farrowing pens with straight or diagonal arrangement

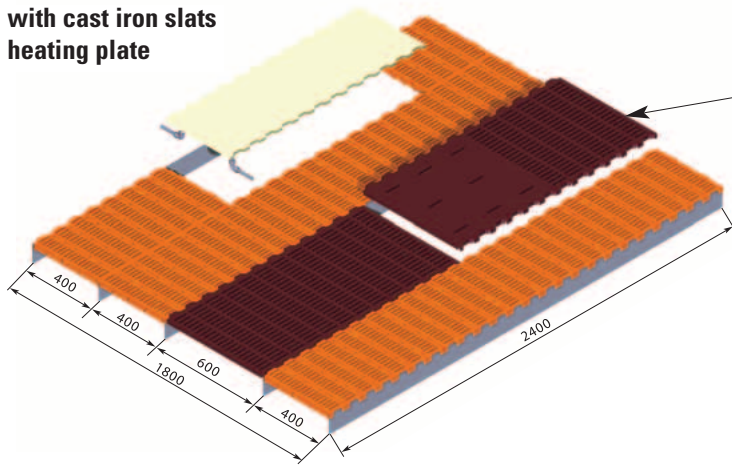


Farrowing pen with cast iron flooring in the sow's resting area and integrated plastic heating plate



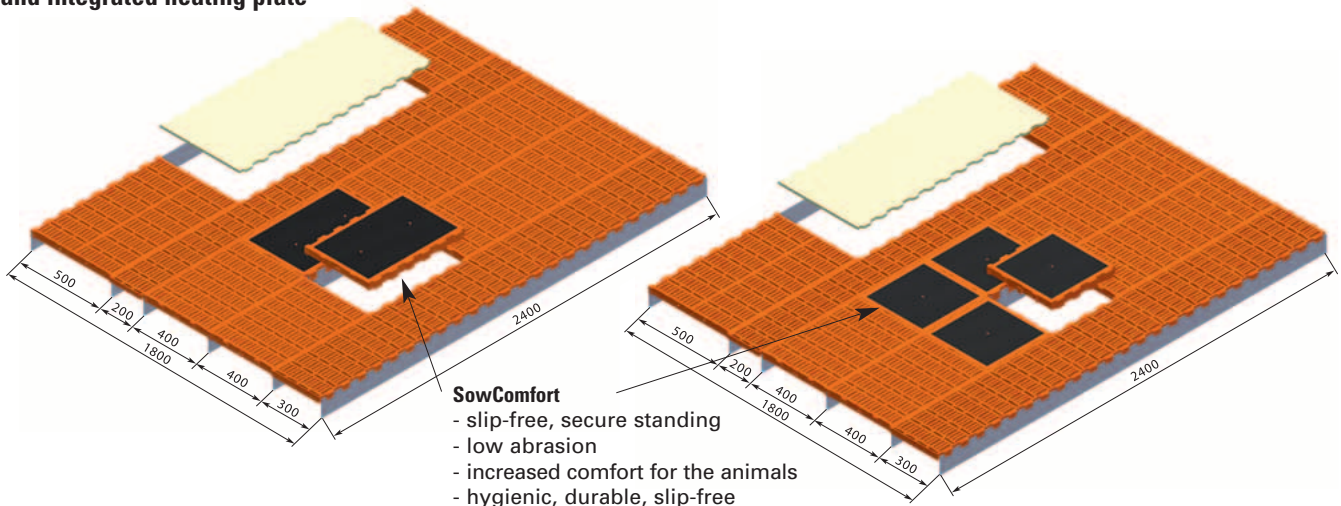
Diagonal farrowing pen with SowComfort in the sow area and integrated plastic heating plate

Farrowing pen with cast iron slats and integrated heating plate



- cast iron slat**
- with rounded links
 - without rough edges
 - gives a cool resting area
 - hygienic, durable, slip-free

Farrowing pen with SowComfort and integrated heating plate

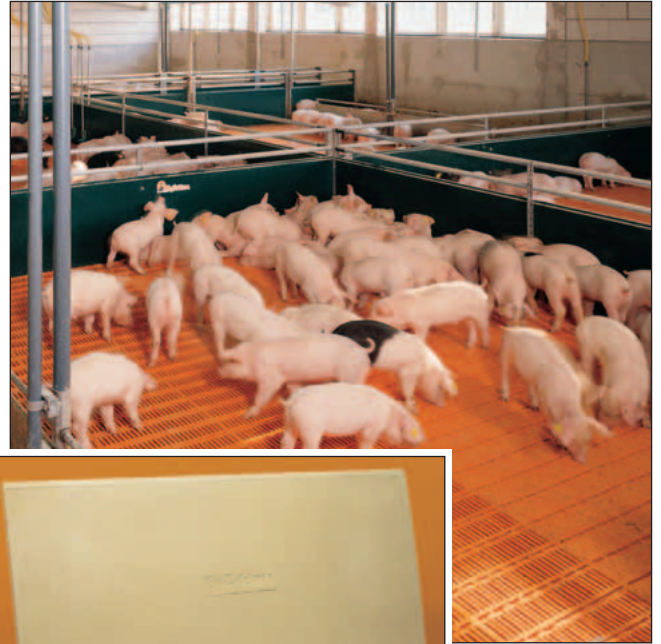
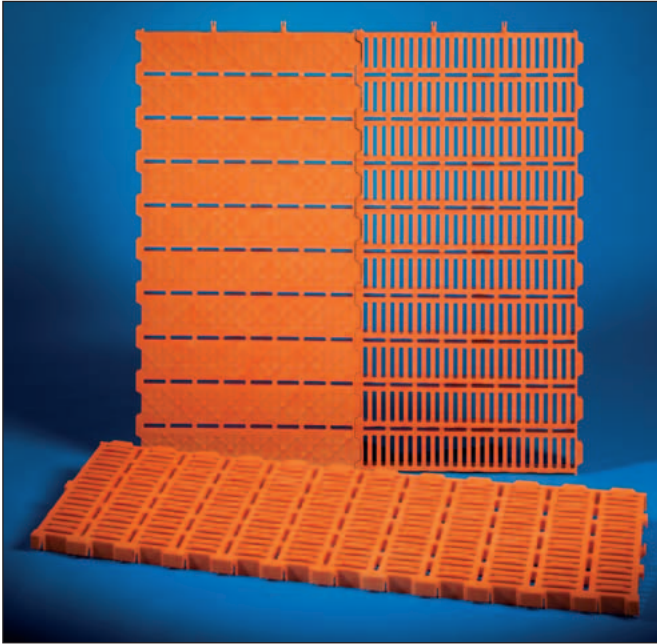


- SowComfort**
- slip-free, secure standing
 - low abrasion
 - increased comfort for the animals
 - hygienic, durable, slip-free

Piglet-friendly floor systems for rearing houses

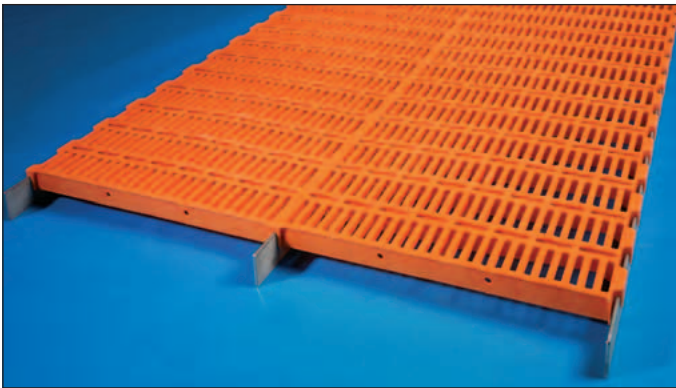
Big Dutchman's high-quality plastic slats are ideally suited for flat-decks and large-group rearing pens. The optimum solid-to-void ratio keeps the floor clean and promotes healthy piglets. The slats are

available in two different sizes and can also be delivered with only 10 % slatted area. If required, the heating plates can easily be integrated.



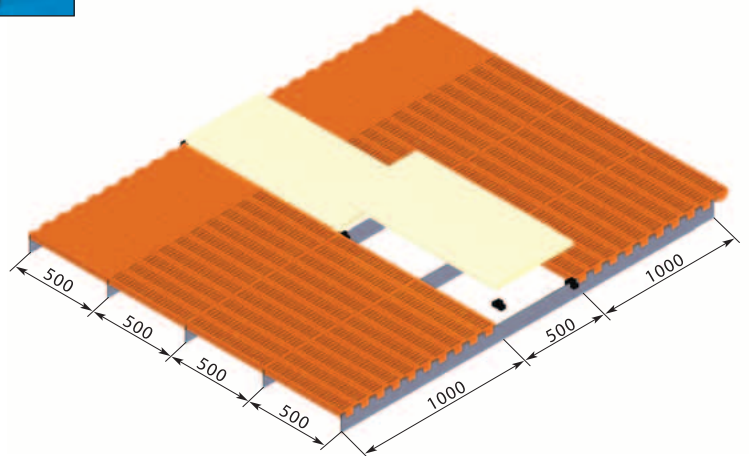
Concrete polymer heating plate promotes well-being and weight gain of piglets

Mounting and placement examples for rearing houses



The slats are easily and quickly assembled. Approximately 2.5 m flat steel is needed per square meter. All plastic slats can also be precisely cut to the required dimensions. If necessary, the slats can be lifted even after having been laid.

Floor system for flat-decks with integrated heating plate



Technical data for plastic and cast iron slats

Type	Code No.	Dimensions (l x w, mm)	Aperture width (mm)	Link width (mm)	Pieces per m ²
plastic slat for					
- piglets	65-00-4022	1000 x 500	9	10	2,00
- piglets with 10 % apertures	65-00-4011	1000 x 500	-	-	2,00
- piglets	65-00-4013	1200 x 400	9	10	2,08
- sows	65-00-4014	800 x 500	9	10	2,50
- sows	65-00-4015	800 x 400	9	10	3,13
- sows	65-00-4016	500 x 300	9	10	6,67
- sows	65-00-4017	500 x 200	9	10	10,00
- sows with rubber mat	65-00-4018	600 x 400	-	-	4,17
- sows with rubber mat	65-00-4021	400 x 400	-	-	6,25
open cast iron slat with profile (step)	65-00-3912	1200 x 600	11	15	1,39
open cast iron slat with profile (step)	65-00-3911	1000 x 600	11	15	1,67
open cast iron slat with profile (step)	65-00-3910	600 x 600	11	15	2,78
cast iron slat with profile (step), 10 % apertures	65-00-3913	600 x 600	-	-	2,78
open cast iron slat FA (level)	65-00-3914	600 x 600	10	11	2,78
open cast iron slat FA (level)	65-00-3915	600 x 400	10	11	4,17
cast iron slat FA (level) 10 % apertures	65-00-3916	600 x 600	11	-	2,78
cast iron slat FA (level) 10 % apertures	65-00-3917	600 x 400	11	-	4,17

All of the listed piglet slats can temporarily carry a pressure-point-load of 250 kg, all slats for sows can carry a 500 kg load.
- additional cast iron slats upon request

Technical data for different heating plates

Type	Code No.	Dimensions (mm)	Typ	Code No.	Dimensions (mm)
warm-water heating plates for farrowing pens			electric heating plates for farrowing pens		
- integrable, concrete polymer	83-00-0841	1200 x 400	- integrable	65-00-4100	1200 x 400
	83-00-7169	1200 x 500		65-00-4150	1000 x 600
- integrable, plastic	65-00-4160*	1200 x 400	- auflegbar	65-00-4030	1200 x 450
	65-00-4170*	1200 x 500	electric heating plates for rearing pens		
warm-water heating plates for rearing pens			- integrable, concrete polymer	65-00-4080	1200 x 800
- integrable, concrete polymer	65-00-3977	1200 x 500		65-00-4082	1200 x 500
	65-00-3975	1200 x 600		65-00-4083	1200 x 400
	83-00-1639	1000 x 500	* also available with insulation		
	83-00-1641	1000 x 600	Heating plates with other dimensions upon request		
	83-00-1646	1000 x 800			

Dimensions of the substructure

Bearing distance (cm)	Dimensions of flat steel (mm) for	
	farrowing pen	rearing pen
120	60 x 5	-
160	60 x 5	60 x 5
200	80 x 5	60 x 5
240	100 x 5	80 x 5
280	120 x 5	100 x 5
320	-	120 x 5

Please note:

The listed bearing distances are only approximate values and may vary depending on the assembly situation, maximum animal weights and other factors.



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