



# INTERMEDIATE SLURRY TANK cm H.320-400



## SLURRY CONTAINMENT TANKS

Livestock manure can not be shovelled and is a mixture of faeces, urine, food waste, watering losses and any washing water. The storage and reuse of the livestock manure are performed using all the facilities of fixed structures, mechanical and technical equipment able to mature and stabilize the livestock manure in order to make it suitable for agronomic reuse. For this purpose Fattori srl manufactures prefabricated concrete elements varying in height from 320 cm to 500 cm that when put together allow the creation of these collection facilities. The elasticity of these elements and their characteristics allow the creation of tanks of any shape and size adapting to the characteristics of the farm in question.

Their positioning involves the creation of perfectly flat support strips on which the modules are laid. Then the supplementary concrete casting is carried out at the foot of the panel that blocks the elements and completes the entire structure. These modules allow the creation of tanks quickly and with lower costs than with on-site manufacture.



**FATTORI**  
SISTEMI E STRUTTURE IN CEMENTO ARMATO

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# TECHNICAL SPECIFICATIONS

PANEL WEIGHT H.320 kg.3885

PANEL WEIGHT H.400 kg.4480

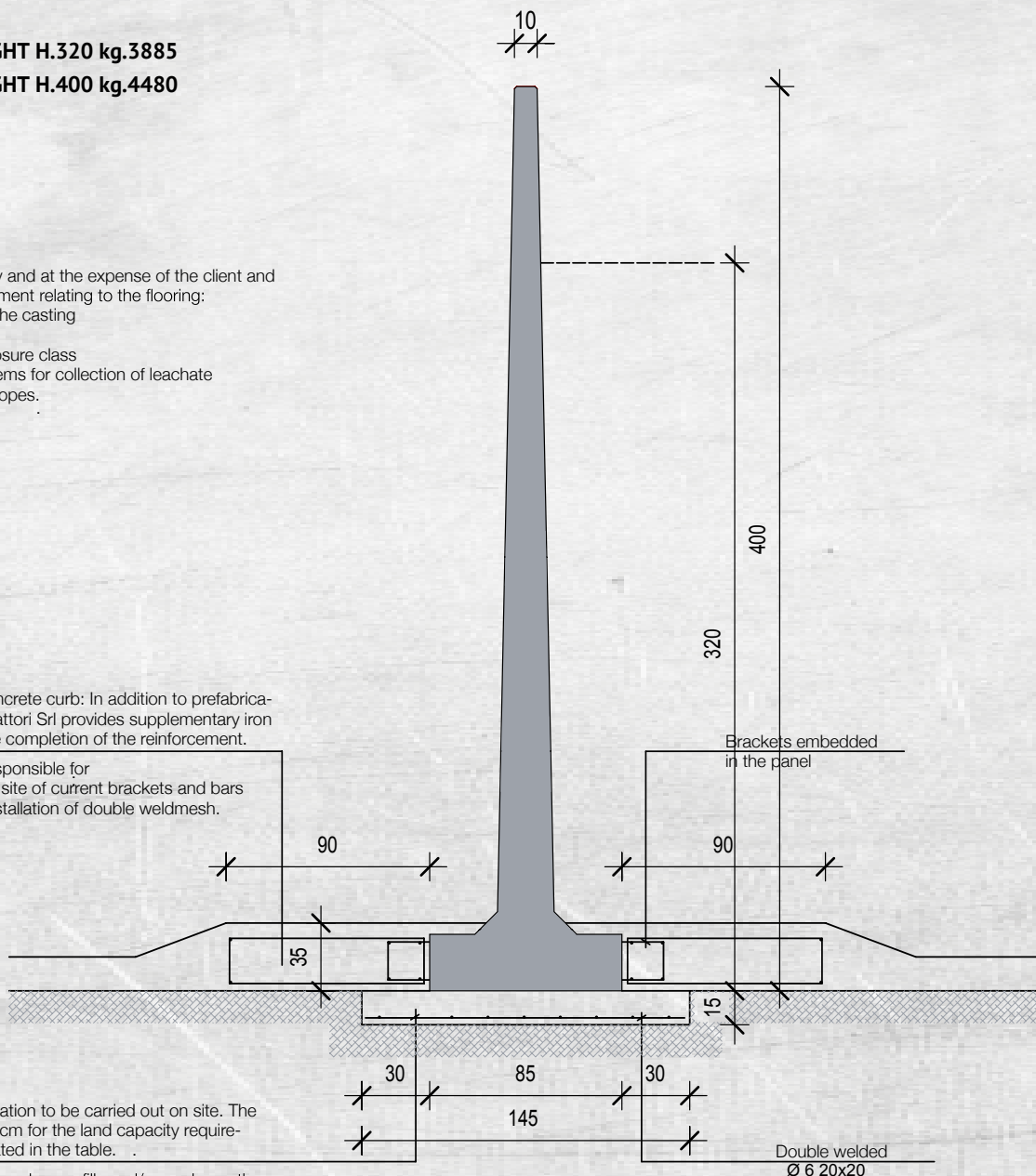
Works borne by and at the expense of the client and Works Management relating to the flooring:

- thickness of the casting
- reinforcement
- concrete exposure class
- drainage systems for collection of leachate and from any slopes.

35 cm thick concrete curb: In addition to prefabricated elements Fattori Srl provides supplementary iron brackets for the completion of the reinforcement.

The Client is responsible for

- installation on site of current brackets and bars
- supply and installation of double weldmesh.



Concrete foundation to be carried out on site. The thickness is 15 cm for the land capacity requirements as indicated in the table.

Topsoil removal and any refills and/or works on the foundation are to be assessed by and paid by the Client and Works Management.

TECHNICAL DATA OF PREFABRICATED ELEMENTS	
SOIL FRICTION ANGLE	30°
CALCULATION METHOD USED TO STUDY REINFORCEMENT	S.L.U. (Testo Unico per le costruzioni)
MATERIALS REQUIREMENTS	
CONCRETE	R'ck formwork $\geq 20$ N/mm <sup>2</sup>
STEEL B450C checked	Fyk $\geq 450$ N/mm <sup>2</sup> Ftk $\geq 540$ N/mm <sup>2</sup>
WELDMESH: STEEL B450A checked	Fyk $\geq 450$ N/mm <sup>2</sup> Ftk $\geq 540$ N/mm <sup>2</sup>
EXPOSURE CLASS	XA2
BAR COVER	3,0 cm
BAR FREE INTERSPACE	$\geq 2,0$ cm $\geq \emptyset$ max
REGULATORY STRUCTURE SPECIFICATIONS	
Class of use	I
Cu	0,70
Soil type	C
Topographic category	T1

REQUIREMENTS FOR CASTING FOUNDATIONS	
ON SITE BASE DIMENSIONS VALID FOR LAND CAPACITY	$\sigma_{t,amm}(SLE) \geq 1,2$ daN/cm <sup>2</sup>
<b>BASES MUST BE MADE FLAT; THE PRODUCTS MUST REST COMPLETELY ON THE BASE</b>	
CONCRETE	R'ck a 28 gg $\geq 30$ N/mm <sup>2</sup>
CLASSE DI CONSISTENZA ALLO SCARICO:	S3
<b>ANY ADDITION OF WATER ON SITE IS FORBIDDEN</b>	
UNLOADING CONSISTENCY CLASS	XC2
BAR COVER	3,0 cm
BAR FREE INTERSPACE	$\geq 2$ cm $\geq \emptyset$ max
STEEL B450C checked:	fyk $\geq 450$ N/mm <sup>2</sup> ftk $\geq 540$ N/mm <sup>2</sup>
WELDMESH: B450A CHECKED	fyk $\geq 450$ N/mm <sup>2</sup> ftk $\geq 540$ N/mm <sup>2</sup>

The sizes shown are indicative, **FATTORI** reserves the right to make any changes at any time without prior notice.