

Slurry Management



Permastore are the market leaders in slurry store management and pollution control, serving farmers for over 35 years.

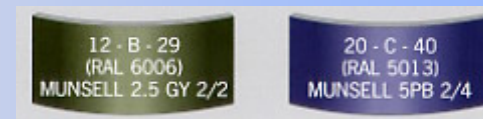
Pollution Control



ECOFUSION® is used for:

- Livestock effluent tanks
- Moist grain silos

External Slurry Tank Colours



Years of Experience

First used over 40 years ago in the harsh conditions of forage and moist grain silos, Glass-Fused-to-Steel tanks and silos have proved to be the most reliable and economic solution to many environmental and conservation problems around the world.

Permastore effectively supports its dealers to achieve and maintain the very highest standards.

30 Year Design Life

Permastore® Glass-Fused-to-Steel structures have been utilised extensively for the storage agricultural livestock effluent. The experience we have accrued over a period in excess of 35 years in association with independent assessment, continuous product development and improved quality provides a sound basis for a minimum 30 year Design Life compliant with ISO 15686 - 1 - 2 - 3.



Permastore are the only UK Slurry Tank Supplier with a continuous trading history exceeding 35 years.



The Slurry Storage Solution Experts

Slurry Tank Capacity Chart For 3 and 4 Ring Tanks - (2-5 Rings are Available)

| Nominal Wall Height 4.27m (3 rings) | | | | | Nominal Wall Height 5.67m (4rings) | | | | |
|-------------------------------------|-------------|----------|---------|-----------|------------------------------------|-------------|----------|-----------|-----------|
| Model | Diam (m) | Capacity | | Freeboard | Model | Diam (m) | Capacity | | Freeboard |
| | | m3 | Gallons | Gallons | | | m3 | Gallons | Gallons |
| 3415 | 10.25 | 348 | 76,654 | 5,442 | 3420 | 10.25 | 464 | 102,049 | 5,442 |
| 3615 | 11.10 | 409 | 89,962 | 6,386 | 3620 | 11.10 | 544 | 119,765 | 6,386 |
| 3915 | 11.95 | 474 | 104,335 | 7,407 | 3920 | 11.95 | 631 | 138,899 | 7,407 |
| 4215 | 12.81 | 544 | 119,772 | 8,503 | 4220 | 12.81 | 725 | 159,451 | 8,503 |
| 4515 | 13.66 | 620 | 136,274 | 9,674 | 4520 | 13.66 | 825 | 181,420 | 9,674 |
| 4815 | 14.52 | 699 | 153,841 | 10,921 | 4820 | 14.52 | 931 | 204,806 | 10,921 |
| 5015 | 15.37 | 784 | 172,472 | 12,244 | 5020 | 15.37 | 1,044 | 229,609 | 12,244 |
| 5315 | 16.22 | 874 | 192,168 | 13,642 | 5320 | 16.22 | 1,163 | 255,830 | 13,642 |
| 5615 | 17.08 | 968 | 212,929 | 15,116 | 5620 | 17.08 | 1,289 | 283,468 | 15,116 |
| 5915 | 17.93 | 1,067 | 234,754 | 16,665 | 5920 | 17.93 | 1,421 | 312,524 | 16,665 |
| 6215 | 18.79 | 1,171 | 257,644 | 18,290 | 6220 | 18.79 | 1,559 | 342,996 | 18,290 |
| 6415 | 19.64 | 1,280 | 281,598 | 19,990 | 6420 | 19.64 | 1,704 | 374,887 | 19,990 |
| 6715 | 20.49 | 1,394 | 306,617 | 21,766 | 6720 | 20.49 | 1,856 | 408,194 | 21,766 |
| 7015 | 21.35 | 1,512 | 332,701 | 23,618 | 7020 | 21.35 | 2,014 | 442,919 | 23,618 |
| 7315 | 22.20 | 1,636 | 359,849 | 25,545 | 7320 | 22.20 | 2,178 | 479,061 | 25,545 |
| 7615 | 23.05 | 1,764 | 388,062 | 27,548 | 7620 | 23.05 | 2,349 | 516,621 | 27,548 |
| 7815 | 23.91 | 1,897 | 417,340 | 29,627 | 7820 | 23.91 | 2,526 | 555,597 | 29,627 |
| 8115 | 24.76 | 2,035 | 447,682 | 31,781 | 8120 | 24.76 | 2,709 | 595,992 | 31,781 |
| 8415 | 25.62 | 2,178 | 479,089 | 34,010 | 8420 | 25.62 | 2,900 | 637,803 | 34,010 |
| 8715 | 26.47 | 2,326 | 511,561 | 36,315 | 8720 | 26.47 | 3,096 | 681,032 | 36,315 |
| 9015 | 27.32 | 2,478 | 545,097 | 38,696 | 9020 | 27.32 | 3,299 | 725,678 | 38,696 |
| 9215 | 28.18 | 2,635 | 579,698 | 41,152 | 9220 | 28.18 | 3,508 | 771,742 | 41,152 |
| 9515 | 29.03 | 2,797 | 615,364 | 43,684 | 9520 | 29.03 | 3,724 | 819,223 | 43,684 |
| 9815 | 29.89 | 2,964 | 652,094 | 46,292 | 9820 | 29.89 | 3,947 | 868,121 | 46,292 |
| 10115 | 30.74 | 3,136 | 689,889 | 48,975 | 10120 | 30.74 | 4,175 | 918,437 | 48,975 |
| 10415 | 31.59 | 3,313 | 728,748 | 51,733 | 10420 | 31.59 | 4,410 | 970,169 | 51,733 |
| 10615 | 32.45 | 3,494 | 768,672 | 54,567 | 10620 | 32.45 | 4,652 | 1,023,320 | 54,567 |

All Permastore Slurry Tanks sold in the UK comply with BS5502 parts 50 & 22 and The Contract of Pollution (Silage, Slurry and Agricultural Fuel Oil) (Scotland) regulations 1992 and 2001

Typical Capacity Guide for Cows

Typical capacity for cow slurry = no. of cows x 12 gallons (54 Litres) x no. of days storage required.
 Typical capacity for washing etc. = no. of cows x 4 gallons (18 Litres) x no. of days storage required.
 = gallons of slurry storage required.

Typical Capacity Guide for Pigs

Typical capacity for pig slurry = no. of pigs x 1.5-2.0 gallons (7-10 Litres) x no. days storage required.
 = gallons of slurry storage required.

N.B. Allowances should be made for the following when calculating sizes for slurry tanks:

- Dirty Water** from open yard areas (500 gallons per 1000sq.ft area for every inch of water).
- Rainfall** on the tank itself.
- Freeboard** - regulations state that 300mm (1ft) must be left between the slurry level and the top of the tank.



A Typical Permastore® Slurry Storage System

Ladder and Platform

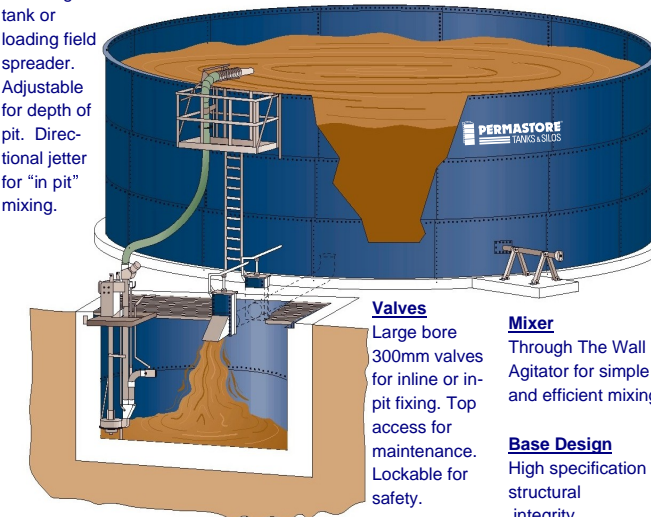
Handrails and trapdoor for safety. Removable ladder to prevent access by children.

Jetter

Easy to operate directional jetter to reduce slurry crusts.

Pump

For filling tank or loading field spreader. Adjustable for depth of pit. Directional jetter for "in pit" mixing.



Valves

Large bore 300mm valves for inline or in-pit fixing. Top access for maintenance. Lockable for safety.

Mixer

Through The Wall Agitator for simple and efficient mixing.

Base Design

High specification for structural integrity.



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