

MOLASSES STORAGE LINER AND FLOATING COVERS

The safe and clean storage and protection of molasses or other liquids such as potable drinking water in Earthen Ponds and Turkey's Nest Dams, can now be economically achieved using long life UV stabilised high density polyethylene (HDPE) geomembrane liner.

These types of inground molasses storage facilities are more economical than the typical molasses tank as the capital cost is less when comparing similar volumes of molasses storage capacity.

Once your storage pond is constructed by your earthworks contractor, the storage pond is then made water-tight with the HDPE geomembrane liner laid out on the prepared smooth earth subgrade and fusion heat welded together to form a complete seal. It is installed in the base and up the walls of the pond, and held in place in a 500mm deep anchor trench around the top of the pond crest.

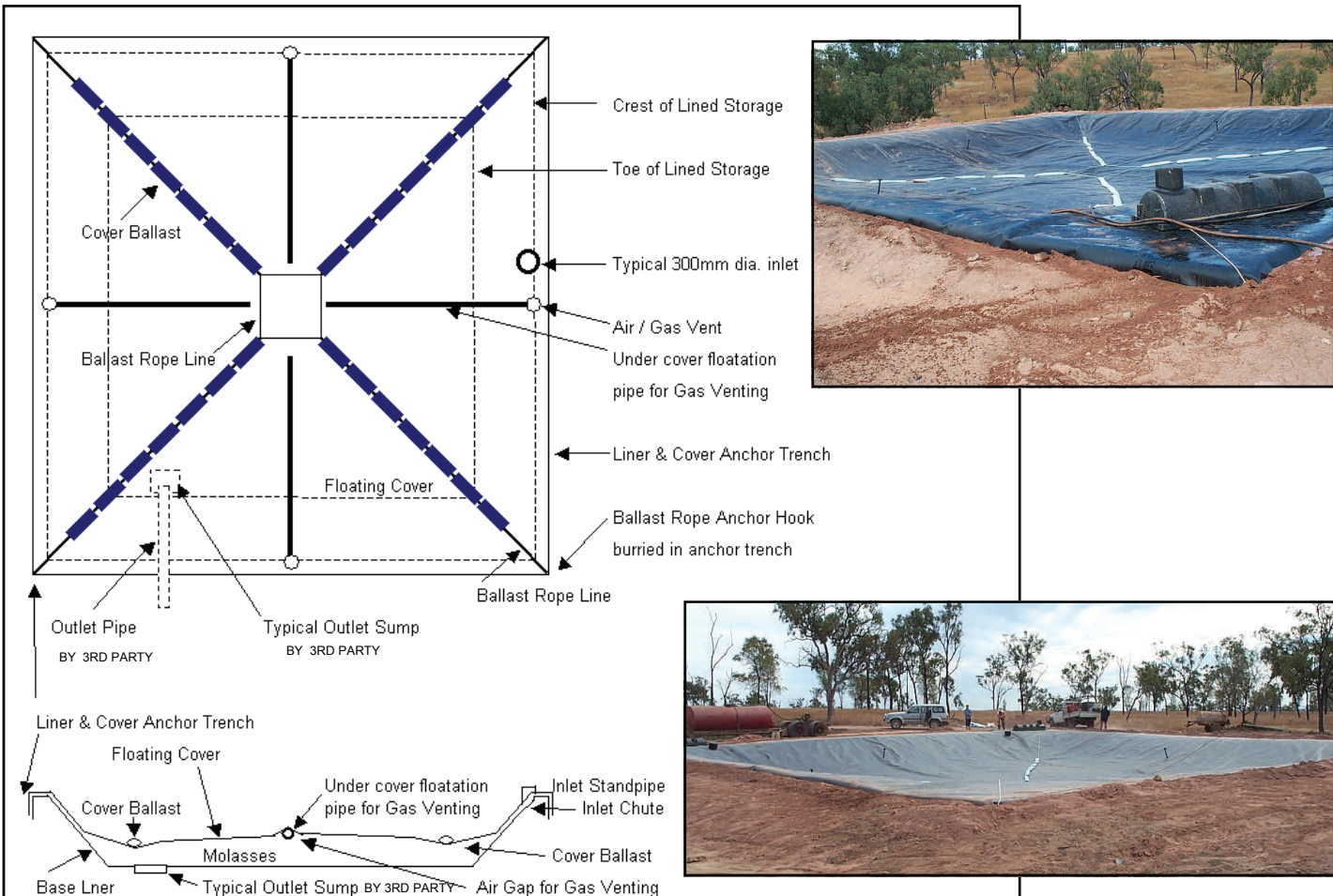
Once the liner is in place the cover is installed over the liner in the empty pond.

The cover is placed in the same manner on top of the liner in the pond. The cover is also placed into the crest anchor trench, which is backfilled forming a seal between the liner and cover material around the perimeter of the pond crest.

Ballast tubes are placed diagonally across the cover to keep it tight and in place. Floatation tubes are fitted centrally across and along the underside of the cover to allow a path for any gas to make its way to perimeter air vents.

The molasses is poured in through the inlet on the crest so that it fills the pond between the base layer and the cover layer of HDPE geomembrane similar to that of filling a bladder.

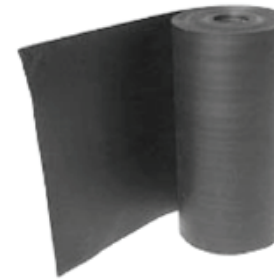
Liner is attached to your outlet, so you can remove molasses using your desired molasses removal mechanism whether through pumping or gravity feed draining of the storage.



Australian Lining Company Pty

RURAL AND AGRICULTURAL PRODUCT RANGE

Versatile High Quality HDPE Liner Applications



HDPE is a very tough UV resistant long life polymer used by Australian Lining Company for many years to line water and chemical containment tanks, ponds and dams in the mining, petroleum and industrial industries. This material is extremely robust and will not degrade in sunlight.



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HD Poly Liner

Stockyard Fence Barrier



This lightweight barrier is made from High Density Polyethylene (HDPE) sheet cut from large rolls to various heights with ALC's modern roll cutting machine. The cut is made to leave a smooth edge and precise measurement for ease of installation and maximum safety to your stock.



HD Poly Liner is easily attached to fence panels using tex-screws or by using washers, zip ties, wire, nails and so on.

HD Poly Liner is delivered in convenient rolls and can be cut to the desired length with a sharp blade on site.

Maintaining a Low Stress Stock Yard Environment

Regardless of the number of cattle you run, a well designed, functional set of yards is basic to good management. The yards should allow safe, efficient handling of cattle for drafting and loading out as well as providing good restraint for husbandry procedures such as drenching, branding, vaccination, tail and ear tagging.



The use of a flexible sight barrier integrated within barrier fencing in holding yards and cattle runs has proven to keep cattle calm and orderly. This provides an environment which helps to prevent injury and stress keeping the cattle healthier and improving beef quality.

HD Poly Liner

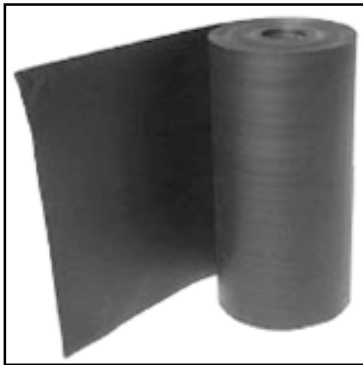
Water Trough Liner

PROTECT YOUR VALUABLE WATER RESOURCES
REPAIRS – LONG TERM SOLUTION

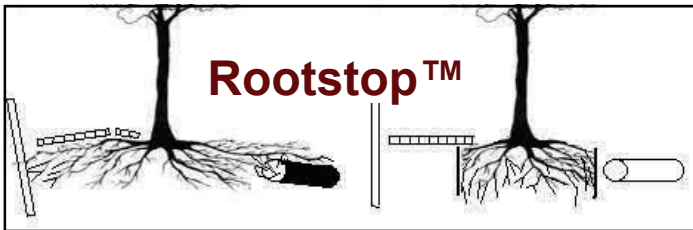
Leaking troughs holding valuable water for stock can be fixed using HD Poly liner installed by yourself. With some steel panel troughs, you can remove ends of troughs, lay in the Poly Liner & reattach ends of the trough and then seal end of trough to liner using sealant such as sikaflex.



HD Poly Liner is a UV Stabilised HDPE (high density polyethylene) very long life liner ideal for our hostile climate.



HD Poly Liner



Rootstop™

TO PREVENT ROOT GROWTH UNDER CONCRETE SLABS & BUILDINGS



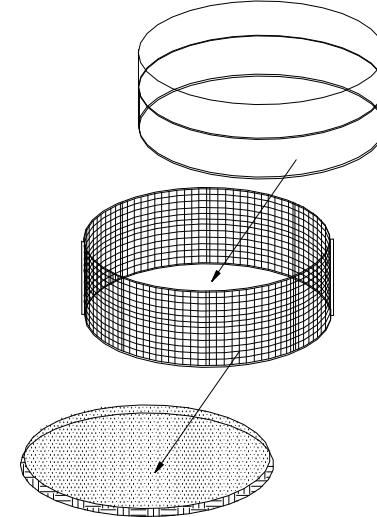
Polyguard™ Mud / Gravel Guard

Mesh Tank

Prefabricated HDPE Lined Water Tank

(Patent No. 2002950742)

PATENT NO. 2002950742



A HDPE tank liner is fabricated on site and placed inside a weld mesh frame that is reinforced and secured with angle & flat bar.

Weld Mesh Frame

The weld mesh frames are bolted together on site using high tensile bolts to provide the outer shell for the tank.

Prepared subgrade

The tank is placed on a flat smooth and compacted subgrade to be prepared by others. The tank frame is placed in a 100mm deep rill that we excavate and then fill with concrete to hold frame in place.

Inlet, Outlet & Overflow Pipe Work

We can weld your HDPE pipe to the tank liner for outlets, inlets and overflow pipes.

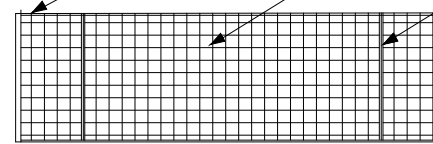
PATENT NO. 2002950742

50mm X 3mm
MESH PANEL TOP
STIFFENER RING

WELD MESH
OUTER
FRAME

50mm X 50mm X
5mm
PANEL STIFFENER
ANGLE IRON

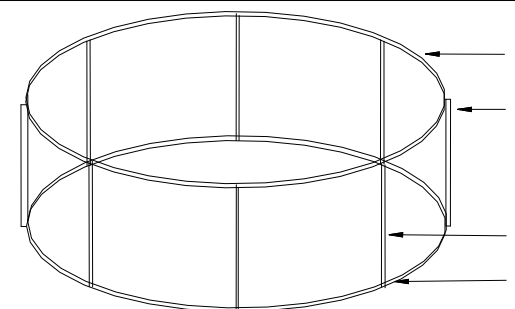
75mm x 75mm x 5mm
PANEL JOINER
UPRIGHT ANGLE IRON



TANK FRAME
WITH MESH WALL
IN PLACE



PATENT 2002950742



50mm X 3mm
MESH PANEL TOP
STIFFENER RING

75mm x 75mm x 5mm
PANEL JOINER
UPRIGHT ANGLE IRON

50mm X 50mm X
5mm
PANEL STIFFENER
ANGLE IRON
50mm X 3mm
MESH PANEL BASE
STIFFENER RING

PATENT NO. 2002950742

TANK FRAME LAYOUT



WATER TANK REPAIRS

FOR CONCRETE AND GALVANISED WATER TANKS.
A FAST ECONOMICAL LONG TERM
SOLUTION TO LEAKING TANKS.

Australian Lining Company install a thick HDPE liner into the old damaged leaking tanks. The tank liner is fusion welded on site to form a sealed barrier that will last for many years.

