

## High performance cover

A safe and simple solution to a wide variety of problems.

AWTT INC. Armor Balls™ cover systems offers highly effective solutions to problematic liquid storage systems not limited to municipal and industrial water, wastewater treatment processing plants, metal and petrochemical plants, leachate, airports and raw water reservoirs.

High surface area coverage is achieved by placing a sufficient amount of balls on the surface of the liquid. The balls arrange themselves to provide a minimum coverage of 91%. The result is a thermal insulation barrier which combines the insulation factor of the air held in each ball with the poor heat conductivity of plastic. While the air pockets between the balls are not sealed, they also contribute to this insulation system, which dramatically reduces heat loss and light transfer. The cover also reduces liquid loss through evaporation and prevents odor problems.

The Amor Balls™ barrier, contrary to standard cover, does not represent an obstacle to static, moving or dipping equipment. The balls can be easily pushed aside and the cover reforms itself as the basin and obstacles change configuration. In fact, the balls will keep up with liquid level, rising, lowering and restacking themselves as needed.

The Armor Balls™ is also an effective wildlife deterrent. When entirely covered, the body of water becomes unattractive to waterfowl and other wildlife such as deer. They simply don't recognize it as water.

Compared to netting, Armor Balls are not sensitive to ice or snow damage and do not require any kind of support.

## Armor Balls™



### The Armor Balls™ Advantages:

- Quick and simple to install
- Each ball is made of long lasting, UV resistant, virgin HDPE
- Heating cost reduced by up to 75%
- Decrease liquid loss through evaporation by up to 90%
- Allow movement of equipment through liquid
- Adjusts to variation of the liquid level by spreading & stacking
- Fast and Effective solution to odor problems
- Virtually maintenance free
- Cannot tear like conventional membrane cover
- Reduces penetration of UV rays: prohibits growth of algae and clogging weeds. Aeration can be installed underneath the Armor Balls™ system to ensure aerobic conditions are maintained.
- Reduce chemical consumption
- Unaffected by rain water

### Technical Data

Armor Balls™ are made of virgin, high density polyethylene HDPE. Armor Balls are widely used for all external applications due to its particular resistance to freezing conditions. Degrading effects of sunlight are prevented with UV stabilizing additives. HDPE is recommended

for demineralized water and Chromic acid applications.

<b>Diameter</b>	<b>100 mm</b>
<b>Average weight</b>	<b>44g</b>
<b>Number per sq.ft</b>	<b>10</b>
<b>Number per sq. meter</b>	<b>116</b>