

Hexprotect® AQUA Floating Cover User Manual



We would like to thank you for selecting our award winning modular floating covers. Bird-X, Inc. congratulates you on your new Hexprotect® Floating Cover and we look forward to working again with you in the future.

Please contact us immediately if the new cover does not meet your expectations.

Carefully read the following instructions before using your new Hexprotect® Floating Cover. Proper installation and handling is important to maximize coverage.

Summary

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Prior to applying the Hexprotect® Floating Cover

1. Check the delivered load / BOL

If you have not received the quantity ordered, please contact us immediately.

2. Check the intake and outlet openings of your basin

The basin's intake and outlet openings must be smaller than the diameter of the Floating Covers, to prevent the tiles from obstructing and blocking the openings.

3. Remove any occasionally occurring surface floating debris

The surface of the liquid should be free of any naturally occurring debris or viscous layers. This will help the Hexprotect® Floating Cover to become evenly distributed into a uniform pattern.

Application of the Hexprotect® Floating Cover

4. Application

The Hexprotect® cover comes in mesh bags, light enough to be lifted by 1 or 2 person (the weight generally does not exceed 40 lbs). Lift the bag over the basin or at the edge of the basin, with its opening facing downwards. The bags are fitted with a simple opening mechanism and can be easily open by loosening the string. A sharp knife can also be used to cut the bag open if necessary. As the bag opens, the tiles will fall out onto the surface of the liquid.

5. Installation of the Hexprotect cover requires 2 persons

For safety reasons, Bird-X recommends that at least two persons carry out the application of the tiles.

6. Safety requirement when releasing the cover

The person lifting the bags should be secured to prevent any risk of falling into the basin.

7. Apply 90% of tiles to start

To start, only release 90% of the Hexprotect® Floating Cover into the basin. The rest will be added a couple of days later when the other elements have had time to form.

This will prevent the basin to become overcrowded with an excess of tiles. It is preferable to have too few when starting the installation. Adding more later is much easier than removing the excess of tiles from the surface. An exact quantity is required to ensure the correct covering pattern.

Extra parts are often included in every cover. There will often be spares of Hexprotect® Floating Cover left over after the installation.

8. Installation into a dry basin

Hexprotect® Floating Cover may be applied to a dry basin. Extra care must be taken with the quantity used because it is difficult to evaluate the required number before the basin is full of liquid. Take extra precaution when applying tiles to an empty basin. The Hexprotect® Floating Cover is flexible and can tolerate being dropped onto a concrete floor from a height of up to 6 meters. With heights greater than 6 meters, the Floating Covers must only be applied when there is liquid in the basin to prevent damages to the elements.

Use of the Hexprotect® Floating Cover

9. Adding extra tiles

Small openings are sometimes present on the surface of the liquid, especially around the edges of round basins. Adding extra tiles to cover those openings might not be recommended: these openings are necessary for the system to maintain its structure. Too many elements floating will prevent them from forming a correct pattern. In this particular case, less is better.

When measuring the performance of the Hexprotect® cover on top of a basin, Bird-X took into account those openings which constitute part of the remaining 2-6% of the uncovered surface area. The hexagonal shape does not perfectly conform to the edge of the basin, and often represent a negligible area.

10. Recommendations for turbulent mixing

Bird-X recommends that any mixing of the liquid is done in a careful manner where the moving parts of the mixer equipment (impeller for example) do not come into direct contact with the Hexprotect® tile. If contact occurs, there is a risk that the Floating Covers are damaged and that fragments are lost into the liquids. Those debris may become stuck in the pumping system, potentially resulting in other equipment damage.

We recommend always maintain a gap between the mixing equipment and the tile of at least 1 to 2 meters. When emptying your basin, water level will drop and the recommended clearance with fast moving parts might not be maintained.

It is important that the rules listed above when performing mixing are followed, so that damage to the floating covers will be avoided.

11. Emptying by pumping or suction

To prevent tiles from being sucked into the piping system, all pumping or strong suction must be performed from below the surface of the liquid while keeping a safety clearance from the floating covers. It is also recommended that the equipment not be started before it is beneath the Floating Covers.

12. Sporadic surface coatings

Surface coatings might sometimes form under the floating covers, completely or partially lifting the tiles. In some rare case, it will disrupt the coverage of Hexprotect® floating cover. When the surface coating disappears again, the floating cover elements will automatically rearrange themselves.

13. Effects of the weather

The Hexprotect® Floating Cover can be disturbed by strong winds, which can cause the tiles to overlap each other. This generally only affects large basins. Once the wind diminishes, the floating covers will return to their original pattern. If coverage is necessary in very high winds, please contact us to find out about other products that help further stabilize your Hexprotect® cover (solutions@bird-x.com).

14. General Notes

The Hexprotect® cover does not provide enough buoyancy to be walked upon. Walking upon the Hexprotect® cover is not allowed and would make the elements sink (DO NOT attempt). This could also lead to serious injuries. The cover is not designed to support any type of weight from a foreign object.

15. Liability for damages

Any installation, removal, handling, pumping, mixing of the Hexprotect® floating cover are done at owner's own risk.

Bird-X, Inc. cannot be held responsible for any damage caused in connection with the installation, use (including but not limited to pumping, stirring, mixing, etc...), and any other handling of Hexprotect® Floating Cover.

Bird-X, Inc. cannot be held responsible for any health-related problems, injury, or drowning associated with installation, use (including but not limited to pumping, stirring, mixing, etc...), and any other handling of Hexprotect® Floating Cover.

Bird-X, Inc. recommends that any mixing or pumping (or any task resulting in the disruption of the cover) is only done under supervision by one or more person, and that regular attention is paid to changes in the clearance between equipment and the tile covering. This is to avoid any damage to the Hexprotect® Floating Cover and other equipment.

