

Hexa-Cover® Floating Cover

Instructions for use



Hexa-Cover A/S congratulates you on your new Hexa-Cover® Floating Cover and we thank you for choosing our product.

Please contact us immediately if this covering solution does not satisfy your expectations.

Kindly read the following instructions for use carefully before using your Hexa-Cover® Floating Cover. This will ensure the best possible utilization and functioning of your new covering.

Contents

- | | |
|--|---------------|
| • Before applying the Hexa-Cover® Floating Cover | Points 1 – 3 |
| • During the application of the Hexa-Cover® Floating Cover | Points 4 – 8 |
| • After the application of the Hexa-Cover® Floating Cover | Points 9 – 13 |
| • General remarks | Point 14 |
| • Liability for damages | Point 15 |

Before applying the Hexa-Cover® Floating Cover

1. Check the delivery

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

2. Check the intake and outlet openings on your container

The container's intake and outlet openings must be smaller than the diameter of the Floating Covers, so that the tiles cannot become jammed and block the openings.

3. Remove any sporadically occurring surface layer

The surface of the liquid should be fluid and free of any naturally occurring coatings. This will help the Hexa-Cover® Floating Cover to become distributed into a covering pattern.

During the application of the Hexa-Cover® Floating Cover

4. Application

The delivered bags containing the Hexa-Cover® Floating Cover are to be lifted by a crane over the container's edge with the bag opening facing downwards. The bags are fitted with a simple opening mechanism which is released by loosening the string. There may be situations where a sharp knife will be needed to do this. The bag opens and the tiles will fall out.

5. At least two persons to be involved during the application

For safety reasons, Hexa-Cover A/S recommends that at least two persons undertake the application of the tiles.

6. Safety in connection with opening the bags

The person working the opening mechanism of the bags should be secured against the risk of falling into the container or lagoon.

7. Only 90% of tiles to be applied

At first, only 90% of the Hexa-Cover® Floating Cover should be poured into the container. The rest are to be added a couple of days later.

This is to ensure that the container does not become overfilled with Floating Covers. It is preferable to have too few at the start, since it is easier to add more later than to remove surplus tiles from the surface. Only an exact quantity will ensure the desired effect of installing the cover.

Due to delivery batch sizes, there can be a small number of Hexa-Cover® Floating Cover left over after the application.

8. Application into an empty container

Hexa-Cover® Floating Cover may be applied to an empty container. However, care must be taken with the number used, since it is impossible to judge the required number before the container contains liquid. Be careful then when applying tiles to an empty container. The Hexa-Cover® Floating Cover can tolerate being dropped onto a concrete floor from a height of up to 5 meters. With heights greater than 5 meters, the Floating Covers must only be applied when there is liquid in the container.

After the application of the Hexa-Cover® Floating Cover

9. Adding extra tiles

It may be tempting to add extra Hexa-Cover® Floating Cover in order to cover small openings in the surface. However, these openings are necessary for the whole covering to be able to maintain its structure. Too many Floating Covers will cause disorder in the pattern. Therefore, accept a few openings in the structure – they strengthen the overall coverage!

Hexa-Cover A/S emphasizes that, in measuring the emissions from containers covered by Hexa-Cover® Floating Cover, it is these openings in the surface that constitute part of the remaining 5% of the uncovered surface area. The rest is due in part to the marginal area resulting from the container's own shape contrasted with the hexagonal shape of the Floating Covers.

10. Regulations for stirring/mixing/agitation

Hexa-Cover A/S recommends that any stirring/mixing/agitation of the liquid is done in a careful way such that the moving parts of the mixer equipment do not come into direct contact with the Hexa-Cover® Floating Cover. If contact occurs, there is a risk that the Floating Covers are damaged and that fragments from these may become lodged in the pumping system/emptying system with undesired results.

Therefore always maintain a separation of at least 1 to 1½ meters!

Be careful, too, during emptying, as the conditions will change constantly. If the rules above applying to stirring/mixing/agitation are followed, damage to the Floating Covers will be avoided.

11. Emptying by pumping or suction

It is important that all pumping or suction is carried out from below the surface of the liquid and at a suitable distance from the Floating Covers, in order to ensure that these are not sucked away.

It is recommended that the machinery not be started before it is beneath the Floating Covers.

12. Naturally occurring surface coatings (Slurry / Manure)

When a natural surface coating is formed under the Floating Covers, it may completely or partly lift the tiles, with the result that the Hexa-Cover® Floating Cover covering will be disturbed. When the surface coating disappears again, the Floating Covers will automatically reorganize themselves.

Hexa-Cover® Floating Cover will work best on a smooth slurry surface – that is in thin slurry of a low viscosity – precisely where covering is necessary. If there is a pre-existing, naturally occurring coating on the surface, the Hexa-Cover® Floating Cover will not be able to move freely – and this latter is a condition for their effective operation.

If the naturally occurring floating layer is inadequate to support the Floating Covers and you intend to apply Hexa-Cover®, you should wait until the tank is empty and re-filling begins. Then the slurry will not have had time to form a crust, or natural surface layer.

We do not recommend that you stir/mix/agitate the liquid merely in an attempt to remove a sporadic surface layer, as this will only release ammonia and nitrogen. Get in touch with Hexa-Cover A/S for an evaluation of the suitability of the product for your tank and your slurry.

13. Effects of the weather

The Hexa-Cover® Floating Cover can be influenced by strong winds, which can cause the tiles to overlap each other. This effect is mostly seen in large tanks. The Floating Covers will return to their original pattern, as soon as the wind becomes less.

14. General

The covering cannot be walked upon. The Hexa-Cover® Floating Cover must not be walked upon – even though the uniformity of the surface may give the opposite impression.

15. Liability for damages

Any installation, stirring/mixing/agitation and pumping, and any other handling of Hexa-Cover® Floating Cover are done at user's own risk.

Hexa-Cover A/S cannot be held responsible for any damage caused in connection with the installation, stirring/mixing/agitation and pumping, and any other handling of Hexa-Cover® Floating Cover.

Hexa-Cover A/S cannot be held responsible for any health related problems, injury, or drowning associated with installation, stirring/mixing/agitation and pumping, and any other handling of Hexa-Cover® Floating Cover.

Hexa-Cover A/S recommends that any stirring/mixing/agitation or pumping/suction is only done under supervision and that regular attention is paid to changes in the gap between the stirring/mixing/agitation and pumping/suction mechanism and the tile covering. This is to avoid any damage being done to the Hexa-Cover® Floating Cover.

