

Silage Film – Best Practices for Optimal Preservation in bunker silos

- **Prepare a Clean Foundation**
 - Start with a completely clean concrete surface.
 - Dirt or contamination will compromise silage quality from day one.
- **Compact Thoroughly**
 - Proper compaction is the most crucial step during filling of the clamp.
 - Apply silage in the thinnest possible layers to achieve maximum density.
- **Build the Clamp Correctly**
 - Fill in thin, even layers, slightly higher at the sides for optimal wall compression.
 - Once above wall height, create a gentle slope toward the centre for effective water drainage.
 - Keep the surface smooth to prevent water pockets forming on the film.
- **Secure the Critical Edges**
 - The open film edges are the most vulnerable to oxygen ingress.
 - Place two tightly positioned rows of sandbags above the concrete wall in a locked pattern.
 - Cover the front and rear of the clamp in the same protective manner.
- **Avoid Using Tires**
 - Tires heat up and transfer heat through the film layers.
 - Worn tires may expose metal parts that can damage the film.
 - Use gravel-filled sandbags instead, arranged in a square pattern.
 - Prevent water accumulation between the squares to avoid UV damage.
- **Do Not Use Sand as Cover**
 - Wet sand becomes extremely heavy and may slide down, pulling the film with it.
 - This significantly increases the risk of film tearing.

- **UV Stability**
 - Our silage films are UV-stable for 12 months under Central European conditions. Please consult the factory for high UV locations.
 - Water ponds on the film reduce UV lifespan and should be avoided.
- **Shield Against Birds and Animals**
 - Always use a protective net to prevent damage from birds, animals, or hail.
 - Even small holes can negatively impact silage quality.
- **Avoid Overlapping Films**
 - Overlaps create weak points where oxygen can enter.
 - Choose jumbo reels (300, 400, or 500 m) to prevent the need for overlapping.
- **Keep Chemicals Away**
 - Fertilizers and pesticides can degrade the film.
 - Spraying weeds near the clamp may cause chemical drift onto the film.
- **Keep the Reel Label**
 - Store the reel label for at least one year for traceability in case of issues.
- **Store Reels Properly**
 - Keep reels indoors in their original packaging.
 - After partial use, rewrap leftovers to prevent UV exposure—especially the reel sides.
- **100% Recyclable**
 - Our films are produced from LDPE and are fully recyclable.

Covering concrete bunker silos

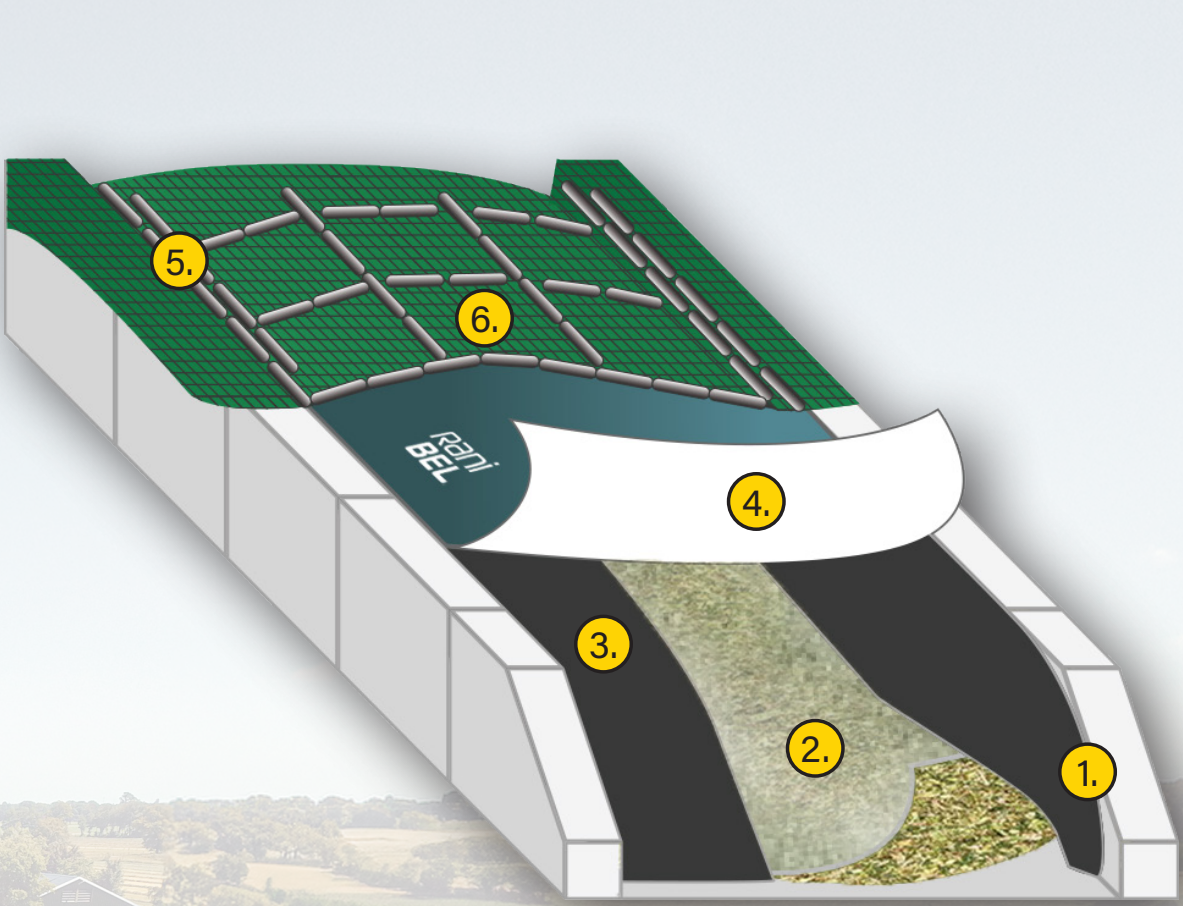
- **1.**
Install a RaniSidewall film twice the height of the concrete wall.

RaniSIDE WALL

- **2.**
Install RaniCover the full width of the clamp.

RaniCOVER

- **3.**
Fold the RaniSidewall on top of the RaniCover.



- **4.**
Install a Silage film like RaniBel or RaniSilo on top of the RaniSidewall/RaniCover!

RaniBEL

RaniSILO

With our oxygen barrier sheet RaniSiLO, there is no need for the RaniCover!

- **5.**
Install a protective net on top of the silage cover to protect the sheet against animal damage.

- **6.**
Weights are required on top of the protective net. Rani recommends the use of sandbags. Place these sandbags as seen in the picture.