

# RAVEN

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## SEALFRESH™ 2-STEP O<sub>2</sub> BARRIER SILAGE COVER

### LOWERING THE OTR

Quality Forage is a valued commodity that provides exceptional down-stream benefits through high-quality feed and palatability resulting in increased milk production for dairy cows, and increased pounds gained for cattle. SealFresh™ Oxygen Barrier is a multi-layer film used as part of a 2-step silage cover system designed to prevent oxygen from reaching the forage and to preserve nutrients and decrease dry matter losses.

SealFresh™ Oxygen Barrier is formulated to be used as a base layer (step #1) in conjunction with a secondary cover. Raven recommends using strong Dura♦Skrim® string-reinforced white/black 6 mil for the second step in this system to block UV and provide a durable protective cover.



SealFresh™

### PROVEN BARRIER TECHNOLOGY

SealFresh™ Oxygen Barrier uses advanced barrier technology from our proven FeedFresh® Silage Cover (Reinforced 1-Step Cover), and our expertise in multi-layer gas barrier structures. This contributes to the extremely low oxygen transmission rate of SealFresh™ at 1.6 cc/m<sup>2</sup>/day! This value equates to SealFresh™ blocking over 210 times more oxygen than a traditional standard black/white silage cover.

Raven SealFresh™ provides a virtual seal to promote optimal fermentation conditions and stabilizes the forage to substantially reduce dry matter losses and ultimately increase bottom-line profits.

## INCREASE FORAGE FRESHNESS

SealFresh™ is part of a 2-step silage covering system and is placed just below the primary exposed cover directly against the pile. SealFresh™ Oxygen Barrier is formulated to be lightweight and pliable to easily conform and cling to forage surfaces. The surface is protected and SealFresh™ prevents air pockets from forming under the cover to maximize forage freshness. SealFresh™ provides a virtual seal to promote optimal fermentation conditions and stabilize the forage to reduce dry matter losses and ultimately increase profits.

## COMPARE LEADING OTR FILMS

Compare SealFresh™ against other leading oxygen barrier silage covers on the market. The graphs below show the amount of oxygen at a 21% concentration (ambient air) that passes through the barrier film in CC/M<sup>2</sup>/Day units. SealFresh™ EVOH barrier technology produces an extremely low oxygen transmission rate of 1.6 CC/M<sup>2</sup>/Day! This value equates to SealFresh™ blocking two-times more oxygen than the leading competitor and blocking over 18 times more oxygen than the second leading competitor.

OXYGEN TRANSMISSION RATE: (CC/M<sup>2</sup>/24H)

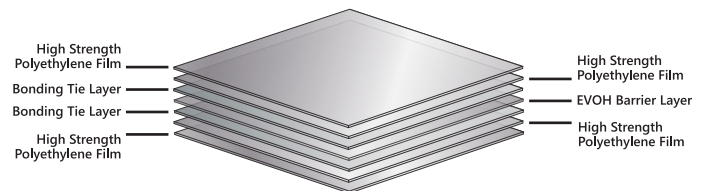


SealFresh™ Compared to two leading barrier films for covering silage according to ASTM D-3985/DIN 53380-3 at 21% Oxygen Permeability.

## MULTI-LAYER CONSTRUCTION

The 7-layer construction of SealFresh™ provides for improved strength and tear resistance in an ultra-light 2.0 mil film to withstand installation and conform to uneven surface irregularities. SealFresh™ provides easy installation with an accordion-folded roll configuration to optimize deployment.

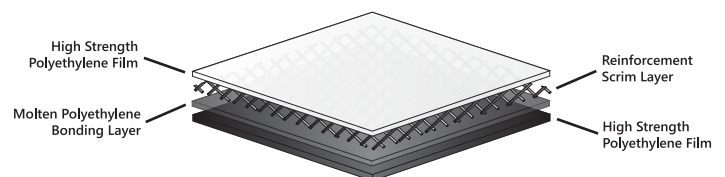
### SEALFRESH™ O<sub>2</sub> BARRIER (STEP 1)



#### Non-Reinforced SealFresh™ 2 Mil Clear (AB2C2)

- High Strength Virgin Grade Film
- EVOH Barrier Blocks Oxygen Transmission (OTR)
- Accordion Folded Large Panels for Easy Installation

### DURA♦SKRIM® COVER (STEP 2)



#### Reinforced Dura♦Skrim® 6 mil White/Black (6WB)

- Reinforced Scrim for Excellent Tear Resistance
- Extrusion Welded Reliable Seams
- Extra Large One-Piece Prefabricated Factory Panels

## RAVEN ENGINEERED FILMS

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