SMITH INTEGRATION

airevac

At Smith, we design helmets and goggles to work together as a fully integrated system. For the helmet line, the most important factor in integration is the AirEvac ventilation system. This is the bridge that allows goggles and helmets to function as one system, venting warm moist air away from the goggles, through the helmet climate control system and ultimately away from the head.

INTEGRATION BEGINS WITH A PRECISE FIT

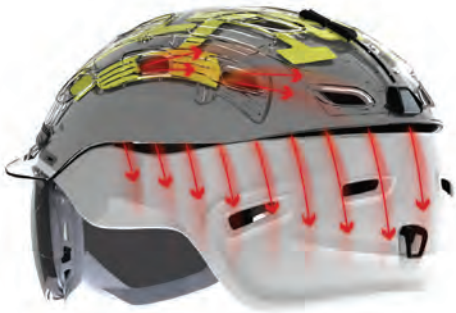
Ultimate integration starts with the precise fit of the Smith goggle and helmet. Our helmets are designed to match the curvature of the goggle frame, eliminating “gaper gap” and allowing precise alignment between the helmet AirEvac and the goggle venting systems.

AIREVAC: MAXIMUM AIRFLOW IS CRUCIAL

Goggles fog when standard helmets trap warm, moist air in the goggle chamber. Smith’s AirEvac ventilation systems generate maximum airflow that pulls warm, fog-causing air out of the goggle. The warm air is allowed to exhaust out of the top of the goggle and begin its path through the helmet’s AirEvac system.

AIREVAC 2: CONSTANT AIRFLOW

AirEvac 2 continues to drive the warm air away from the goggle through external vents and internal channels in the EPS liner. Internal airflow can be adjusted through the helmet’s Regulator climate control system.



REAR EXHAUST VENTILATION

The warm air that originally built up in the goggle has been forced out via the AirEvac ventilation system, has traveled through the AirEvac 2 EPS vent channels, and is now being exhausted at the furthest distance possible from the goggle. Ultimate integration between goggle and helmet from start to finish.

SMITH PROTECTION

shell construction

in-mold material

bombshell material

HYBRID SHELL CONSTRUCTION

Smith's Hybrid Shell construction combines separate lightweight and durable shells to create an entirely new helmet category. By fusing our tough bombshell ABS construction with flyweight In-Mold technology, our Hybrid Shell construction optimizes the favorable traits of each material in this revolutionary process. The result is a modern design that provides a lightweight, low profile, perfectly fitting helmet. Hybrid Shell construction also creates a clean, smooth top surface by enabling the low profile Regulator to function with reduced mass and volume.

IN-MOLD SHELL CONSTRUCTION

The performance standard for many years, In-Mold construction creates a PC shell helmet with an EPS liner to maximize weight reduction. Lightweight, comfortable and offering value for every ounce, In-Mold construction is the flyweight winner.

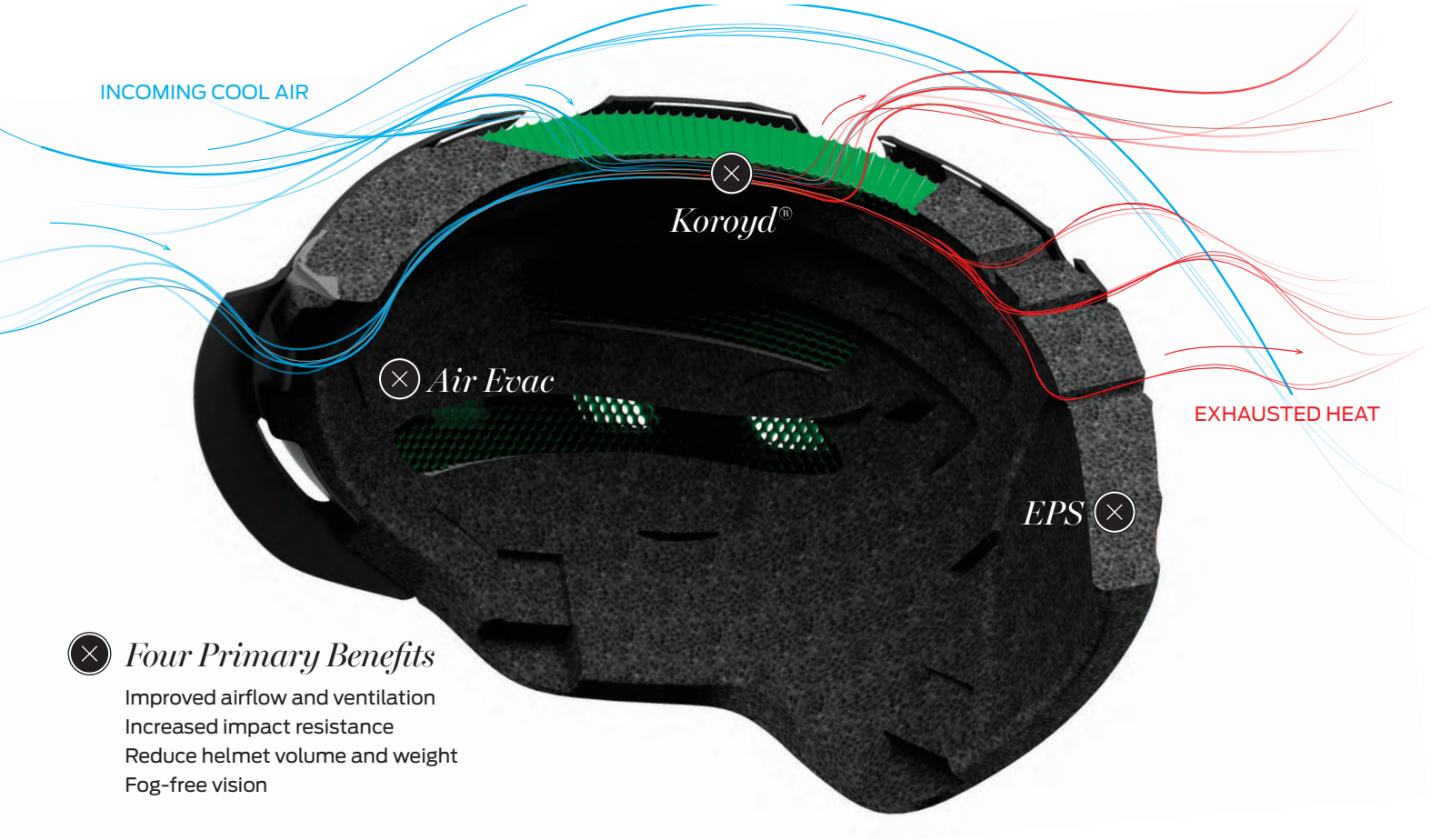
BOMBSHELL CONSTRUCTION

Bombshell construction uses an injection molded ABS shell to withstand high-impacts and offer unparalleled durability, dent, and ding resistance. If you expect your helmet to be as tough as your truck, Bombshell delivers.

SMITH PROTECTION

Koroyd®

Smith's objective and design philosophy behind AEROCORE™ construction is to increase airflow, improve temperature regulation resulting in fog-free vision and improve impact resistance. The objective was achieved through the combination of materials such as EPS and Koroyd®, a revolutionary new material that absorbs more energy upon impact when compared to international standards, while increasing airflow. AEROCORE™ construction through the use of Koroyd® and EPS allows for more vents to be placed throughout the helmet without sacrificing protection and comfort.



Four Primary Benefits

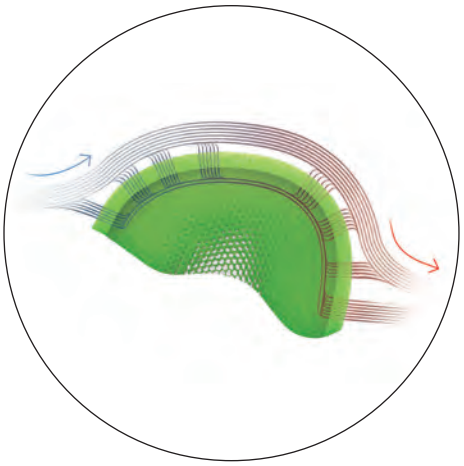
Improved airflow and ventilation
Increased impact resistance
Reduce helmet volume and weight
Fog-free vision

ENGINEERED ABSORPTION

Koroyd® is an energy absorber which is fully breathable and doesn't compromise impact performance. Koroyd's® open cell construction allows cool air in, while expelling hot air from the rider's head. The completely open cell construction integrates with internal channels to create the full AEROCORE construction to provide ventilated protection.

ENGINEERED PROTECTION

Thousands of co-polymer extruded tubes, thermally welded to create an unparalleled consistent and fully engineered core. Each Koroyd® section is engineered to precise durometer, size, and thickness specifications to provide the greatest impact resistance and aesthetically consistent presentation.



FULL BREATHABILITY

The combination of Koroyd's® precise and unique thermal welding process leads to a structure with both extremely efficient and consistent energy absorption properties. Upon impact, the cores crush in a completely controlled manner, decelerating the energy from the impact and reducing the final trauma levels.

SMITH COMFORT

climate control

Pushing the envelope in helmet design with progressive technology and an unquenchable thirst for innovation, we are breaking the mold on helmet construction, fit ergonomics, mass reduction, comfort, and 21st century electronic integration. Our mission is to make the great days better.

DUAL REGULATOR

Temperature control is THE most important feature when considering how to enjoy the entire day on the hill. Our Dual Regulator ventilation system independently controls the front and rear sections of the Vantage venting, allowing you to modulate your body temperature even in extremely cold conditions. By exhausting heat through the rear vents while maintaining a sealed front end, your body can effectively cool down if needed and avoid the dreaded “ice cream headache.”

REGULATOR

Adjustable, easy to use and extremely effective climate control, our low profile Regulator ventilation system allows you to modify the amount of airflow and heat exhaust even with a gloved hand.

AIRFLOW

Airflow ventilation utilizes strategically placed vents for easy climate control in all conditions. Vent placement maximizes airflow and heat exhaustion in warm temperatures while minimizing undesired cold air drafts. Fabric flaps in the lining design on certain models allow you to open and close the airflow vents for adjustable comfort.