



# CASE STUDY: SMARTCAP

Rogers PORON® Gasket Solution  
for Premium Truck Caps

## CUSTOMER OVERVIEW

**Industry:**

Aftermarket Automotive

**Location:**

Global (serving truck owners  
and commercial fleets)

**Company Profile:**

SmartCap designs and manufactures premium modular stainless-steel truck canopies for truck owners and commercial fleets. Their products compete on design, aesthetics, and functionality, positioning the brand as a higher-end option in the truck accessories market.

## INDUSTRY CHALLENGES

The aftermarket truck accessory industry demands constant innovation and differentiation. Manufacturers like SmartCap face ongoing pressure to balance quality, performance, and cost while maintaining durability and meeting customer expectations.



### THE CHALLENGE

SmartCap contacted Tape Innovations after discovering the company through a web search for Rogers PORON® materials. They were seeking a more durable gasketing solution to enhance seal integrity across their modular truck cap product line.

Each canopy relies on gaskets between modular metal panels to prevent water intrusion. The existing material was breaking down prematurely, resulting in leaks and performance issues.

If the problem remained unresolved, SmartCap risked production delays, warranty claims, brand reputation damage, and financial losses from returns and rework.



### THE SOLUTION

Tape Innovations supplied Rogers PORON®, a durable, UV-stable polyurethane foam engineered to resist compression set and perform reliably in outdoor environments.

To prevent further production disruptions, the Tape Innovations team provided rapid prototyping and expedited material sourcing. Since the specified PORON® grade had a standard 4–6-week lead time, Tape Innovations leveraged its supplier relationship with Rogers Corporation to shorten turnaround times and secure temporary stock from distribution, keeping SmartCap's production running smoothly.

## RESULTS & IMPACT

After implementing the Rogers PORON® solution, SmartCap reported a significant improvement in gasket reliability and overall product performance. Although exact figures were not tracked, the new material also delivered a notable price reduction compared to the previous supplier.

SmartCap expressed strong satisfaction with the solution and continues to maintain a positive working relationship with Tape Innovations.

## KEY OUTCOMES

- 01 Eliminated gasket failure and water leak issues
- 02 Improved product reliability in outdoor applications
- 03 Reduced material cost and production downtime
- 04 Strengthened supplier partnership for future projects



## MATERIALS & CAPABILITIES

**Material:** Rogers PORON®

**Application:** Gasketing / Sealing

**Capabilities Used:** Rapid prototyping, expedited material sourcing

## ABOUT TAPE INNOVATIONS

Tape Innovations is a precision converter specializing in custom materials, adhesives, and foam solutions for manufacturers across automotive, electronics, aerospace, and industrial markets. Through deep supplier relationships and fast-turn manufacturing, Tape Innovations helps customers solve complex production challenges with reliable, cost-effective materials engineered for performance.



### JAKE PRAY

[jpray@tapeinnovations.com](mailto:jpray@tapeinnovations.com)  
[tapeinnovations.com](http://tapeinnovations.com)

201 E. Risinger Rd Suite 101  
Fort Worth, TX 76140. USA