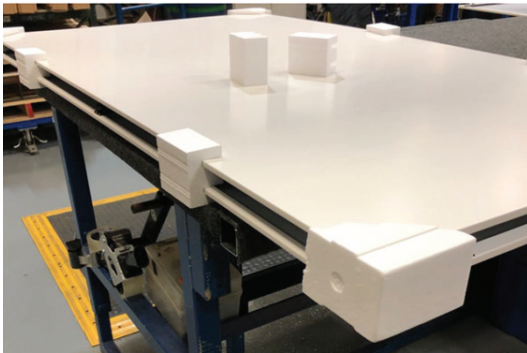


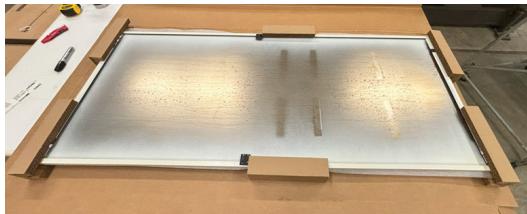


Sustainable Packaging for Steel Tiles used in Office Furniture



Challenge

A manufacturer of steel tiles used in producing office furniture was seeking a sustainable packaging solution to comply with legislation for Extended Producer Responsibility (EPR) laws. As of 2024, EPR legislation has been passed in California, Colorado, Maine, Oregon, New Jersey, Minnesota, and Washington, with other states expected to follow. Signode collaborated closely with the customer to create sustainable packaging that offers similar damage resistance and load protection characteristics to the current foam packaging being used. These efforts aimed to provide effective protection while aligning with corporate sustainability mandates.



Solution

Signode's Engineered Solutions design team suggested replacing the foam packaging with Signode's sustainable Multi-Wall™ 5-ply U-Channel Pads. U-Channels are preformed protective pads constructed of laminated layers of 3/16" A-flute, single-face corrugated paper that provide edge protection. Drop and handling tests showed that U-Channel Pads have similar damage resistance and load protection characteristics as foam. These pads offer a sustainable alternative to foam packaging and help provide protection throughout the transit stages.



Products Utilized

- Signode's Multi-Wall™ U-Channel Pads



Optimal Outcomes

- Eliminated single-use plastics in product packaging
- Implemented new custom-designed sustainable packaging
- Provided product protection throughout transportation cycle

Cost Focus

Protection Focus

UNDER PACKING

OPTIMAL OUTCOMES

Protect your product
and optimize your
packaging investment

OVER PACKING

Our Process

Conduct On-Site Audit

We conduct an on-site review of your packaging lines and modes of transportation to understand your challenges and opportunities for improvement.

Design Optimal Solutions

We supply equipment, packaging consumables, load securement and process recommendations that are field tested in our ISTA-certified labs for validation.

Execute the Concept

We work with you to implement protective consumables, commission equipment, set up automation, and provide training for your team.

Service and Support

We facilitate service and operator training, schedule preventative maintenance, and provide on-site support to maximize uptime.



Packaging Technologies

Protect and stabilize goods in transit with our end-of-line packaging equipment, tools and consumables.

Protective Packaging

Customized product packaging and solutions designed to secure your loads during transportation.

Automation Solutions

Increase efficiency, enhance productivity and throughput with automation solutions.

Reliability Services

Comprehensive support to meet the service demands of today and tomorrow.

Our Portfolio

THE RESULT

Signode delivers the lowest total cost of ownership and the highest overall equipment effectiveness; optimizing product protection, in-house automation and ROI.



To learn more about Signode's innovative solutions, package testing and service capabilities, schedule an assessment or initiate a proposal for a current application, visit www.signode.com.

