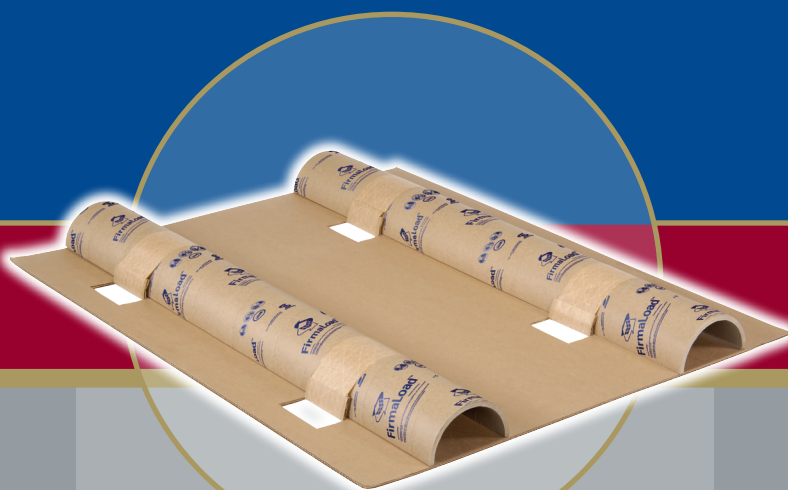


## The Next Generation of bulk bag transportation



**FirmaLoad™**  
Bulk Bag Pallets

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## FirmaLoad® pallets: a better way to transport bulk bags.

*A traditional wood pallet can be a bulk bag's worst nightmare. Protruding nail heads threaten the integrity of the bag, while wood splinters compromise your firm commitment to creating and maintaining a cleaner, safer work environment. Now Sonoco lets you make your move to a better way to transport bulk bags—a fully recyclable and ISPM 15-exempt transport packaging solution.*



### Seismic shift.

Nothing stacks up firmer against your business objectives than FirmaLoad bulk bag pallets. Created from recovered paper, our new pallets are fully recyclable. Like other products that enhance productivity in today's changing marketplace, FirmaLoad pallets help your company stay in sync with your increasing commitment to sustainability.

FirmaLoad bulk bag pallets are designed and constructed with stability in mind and enough strength to support the heaviest of bulk bags—bags containing anything from food ingredients or minerals to powders or petrochemicals. FirmaLoad pallets are made from engineered paper fiber materials, strengthened by more than a century of Sonoco expertise in packaging design, material science and engineering.

The innovative designs of FirmaLoad pallets enable bags to stack tall and straight, making them safer, more stable and highly space efficient. They are easier to load, lighter to move and strong enough to do the job. Furthermore, they eliminate the possibility of bag punctures, tears and splinters that cause product waste, messy shipments and a poor reflection on your product at your customer's receiving dock.

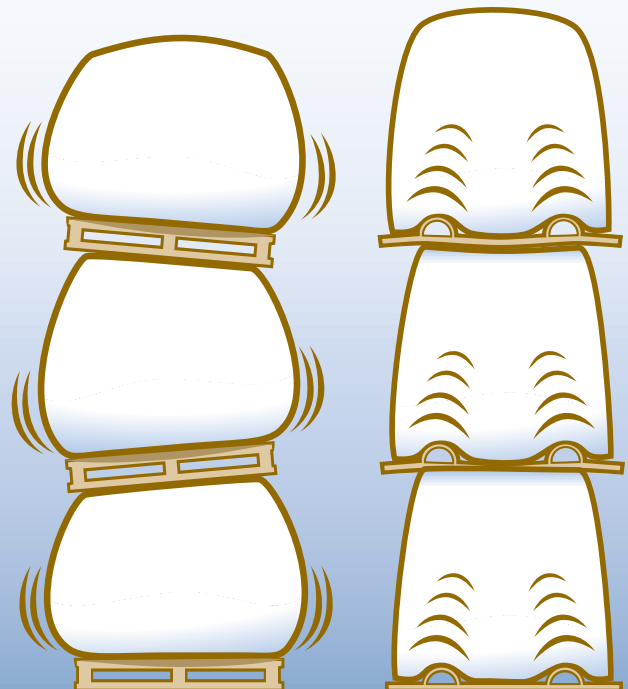
The bottom line? FirmaLoad bulk bag pallets are tailor-made for your bulk bag transportation needs.



Bulk bags can be filled directly on FirmaLoad pallets.

### Save time. Save labor.

The first thing you'll notice when you use FirmaLoad bulk bag pallets is how much they can speed up the loading and unloading process. FirmaLoad pallets can eliminate time and energy spent hassling with sorting, storing and cleaning up after wood pallets. Where push/pull units are used you will spend less time loading and unloading flexible intermediate bulk bags.



FirmaLoad pallets are designed to stand taller, stack straighter, and keep bulk bags more stable when moved and stored.

### Reduce injuries. Reduce expenses.

FirmaLoad bulk bag pallets are significantly lighter than comparable wood pallets. Lighter loads mean you'll have fewer lifting-related injuries and reduced shipping costs. What's more, FirmaLoad pallets are ISPM 15\* exempt. You save the cost of chemical- or heat-treated wood pallets—reducing import compliance costs!

### Conserve space. Conserve resources.

More than 1,200 of the space-saving FirmaLoad bulk bag pallets fit into a typical truckload, compared to only 540, 48x40 GMA wood pallets. That more than doubles shipping capacity, which means you can cut the number of trailers you unload by more than half! It also results in a reduction in carbon emissions and 122-percent less storage space required. These new pallets are made from 100-percent recycled paper and are 100-percent recyclable.

### Save, reduce and conserve even more!

Isn't it time you considered using FirmaLoad bulk bag pallets in your operation? Contact Sonoco to learn more about how this new generation of pallets can help you save time, money and space in facilities, in transport and in landfills. Click or call:

#### Sonoco Transport Packaging

The FirmaLoad pallet brand is just one of a full line of innovative transport packaging solutions available from Sonoco. Always engineered with strength, stability and sustainability in mind, Sonoco packaging has been meeting its customers' changing needs for more than a century, delivering real value to the application, improved bottom-line performance and smart use of the earth's renewable resources.

Compare stacks:  
19 wood pallets  
versus 46 FirmaLoad  
pallets.



The average trailer holds more than 1,200 FirmaLoad pallets. That's 660 more than a trailer load of 48x40 GMA wood pallets.



**FirmaLoad**<sup>™</sup>  
Bulk Bag Pallets



## FirmaLoad™ bulk bag pallets technical information

### Available in the following standard sizes:

39" x 42"	(99.1cm x 106.7cm)
42" x 42"	(106.7cm x 106.7cm)
44" x 42"	(111.8cm x 106.7cm)
46" x 42"	(116.8cm x 106.7cm)
48" x 42"	(121.9cm x 101.6cm)
44" x 44"	(111.8cm x 111.8cm)
45" x 45"	(114.3cm x 114.3cm)

Each size is configurable to meet the strength requirement for your load.

### Safe Working Load† (SWL):

Standard duty—	4,410 lbs. (2,000kg)
Medium duty —	6,614 lbs. (3,000kg)
Heavy duty —	8,819 lbs. (4,000kg)

- All sizes and configurations weigh less than 15 lbs. (6.81kg).
- All FirmaLoad pallets are 2-way entry.
- Minimum order quantities and set-up fees apply.
- Custom sizes are available.
- Do not use in open racking systems.
- While acceptable for use in moisture/high humidity environments, FirmaLoad bulk bag pallets are not suitable for use where persistent wet conditions exist.
- Fully recyclable.

† Testing of FirmaLoad bulk bag pallets for their intended applications and environments is recommended.

## Benefits of switching to FirmaLoad pallets

### ENGINEERED to save time and labor

- Up to 4 times faster load/unload than slip sheets and a push/pull unit.
- ISPM 15\* exempt; export friendly.
- Ideal for food-grade products.

### LIGHTER to reduce injuries and expenses

- Up to 75% lighter than comparable wood pallets for fewer lifting-related injuries, reduced shipping costs.

### COMPACT to conserve space and resources

- Ship more than 1,200 FirmaLoad pallets in one trailer; 122% increase in shipping capacity vs. 48x40 GMA wood pallets.
- Reduces needed storage space by more than half.
- Fully recyclable; can be returned to OCC recyclers and used in recycled paper products.

\* Guidelines for Regulating Wood Packaging in International Trade, known as the International Plant Protection Convention, ISPM 15, are a regulation, backed by the United Nations, and designed to address the global spread of timber pests and disease by regulating the movement of unprocessed raw timber packaging, pallets and dunnage materials. Most pallets shipped across national borders must be made of materials that do not contain invasive species of insects and plant diseases. Wood pallets must be treated by either heat or chemical fumigation to be compliant.



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www.conitex.com  
Email: conitex.info@sonoco.com  
1-704-833-1353