

The Next Generation of bulk bag transportation



FirmaLoad™
Bulk Bag Carriers



FirmaLoad™ carriers: 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's commitment to creating and maintaining a cleaner, safer work environment. Old-school pallets are simply not clean, green, or freight-smart enough to help you elevate your company's sustainability standards. Now Sonoco lets you make your move to a better way to transport bulk bags—an environmentally friendly, recyclable and ISPM 15-exempt transport packaging solution.



Seismic shift.

Nothing stacks up firmer against your business objectives than FirmaLoad bulk bag carriers. Created from recovered paper, our new carriers are 100-percent recyclable and leave a much smaller environmental footprint. Like other products that enhance productivity in today's changing marketplace, FirmaLoad carriers help your company stay in sync with your increasing commitment to sustainability.

FirmaLoad bulk bag carriers are more than just another forest-friendly product. They 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 carriers 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, patent-pending designs of FirmaLoad carriers 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.

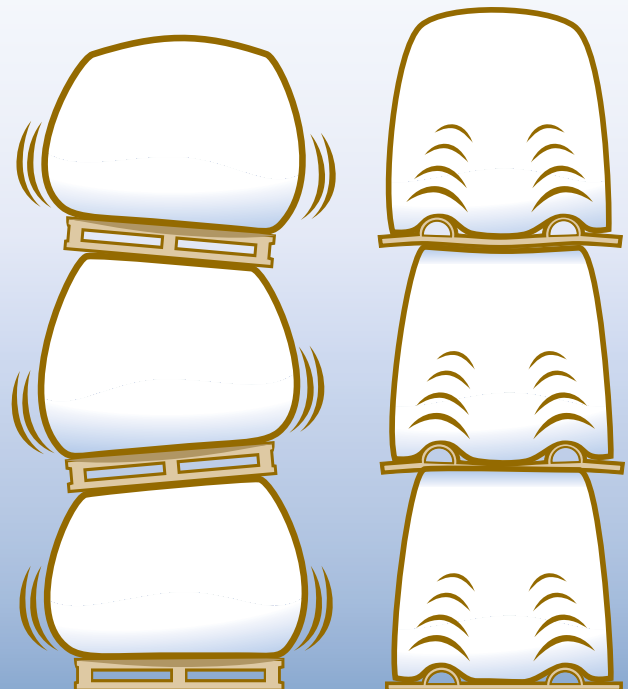


Bulk bags can be filled directly on FirmaLoad carriers.

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

Save time. Save labor.

The first thing you'll notice when you use FirmaLoad bulk bag carriers is how much they can speed up the loading and unloading process. FirmaLoad carriers can eliminate time and energy spent hassling with sorting, storing and cleaning up



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

after wood pallets. Where push/pull units are used you could spend up to 75-percent less time loading and unloading flexible intermediate bulk bags.

Reduce injuries. Reduce expenses.

FirmaLoad bulk bag carriers are 82-percent lighter than comparable wood pallets. Lighter loads mean you'll have fewer lifting-related injuries and reduced shipping costs. What's more, FirmaLoad carriers are ISPM 15* exempt. You save the cost of chemical- or heat-treated wood pallets—reducing import compliance costs by 30 percent or more!

Conserve space. Conserve resources.

More than 1,200 of the space-saving FirmaLoad bulk bag carriers fit into a typical truckload, compared to only 540 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 translates into a 55-percent reduction in carbon emissions and 122-percent less storage space required.

These new carriers are made from 100-percent recycled paper and are 100-percent recyclable and repulpable. While wood pallets are made from a renewable resource, they remain a significant solid waste contributor to landfills. FirmaLoad carriers go into existing corrugated recycling streams, are returned to an OCC recycler, and can be used to make recycled paper products.

Save, reduce and conserve even more!

Choosing to purchase FirmaLoad carriers in kit form allows you to maximize all these advantages. One single trailer holds the components needed to assemble 3,000 FirmaLoad carriers,

reducing your shipping costs by 450 percent (versus a typical trailer load of just 540 wood pallets). Storage space is equally reduced. All you need is local labor and 75 square feet to assemble carrier components on a just-in-time basis.

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

sonocotranspack.com

888/875-8754

Sonoco Transport Packaging

The FirmaLoad carrier 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 carriers.



The average trailer holds more than 1,200 FirmaLoad carriers. That's 660 more than a trailer load of wood pallets—a weight reduction of more than 7 tons!

FirmaLoad carriers can also be assembled just in time on your facility floor, saving you storage space and additional shipping costs.



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FirmaLoad™ bulk bag carriers 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 40"	(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 standard sizes are available with fork tine channel spacing of 23" or 25".
- All FirmaLoad carriers are 2-way entry.
- Minimum order quantities and set-up fees apply.
- Custom sizes are available.
- May be packaged for outside storage, prior to use; additional charges apply.
- Do not use in open racking systems.
- While acceptable for use in moisture/high humidity environments, FirmaLoad bulk bag carriers are not suitable for use where persistent wet conditions exist.
- 100% recyclable and repulable.
- Available in kit form.

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

Benefits of switching to FirmaLoad carriers

ENGINEERED to save time and labor

- Loads and unloads much faster than wood pallets.
- Up to 4 times faster load/unload than slip sheets and a push/pull unit.

LIGHTER to reduce injuries and expenses

- 82% lighter than comparable wood pallets for fewer lifting-related injuries, reduced shipping costs.
- ISPM 15* exempt; saves 30%-plus over treated wood pallets.

COMPACT to conserve space and resources

- Ship more than 1,200 FirmaLoad carriers in one trailer; 122% increase in shipping capacity.
- 55% reduction in carbon emissions.
- Cuts needed storage space by more than half.
- 100% recyclable and repulable; can be returned to OCC recyclers and used in recycled paper products.

EFFICIENT—available unassembled

- 3,000 FirmaLoad carriers per trailer; cuts shipping costs 450%, carbon emissions 55% versus wood.
- Stores in 1/5th the space of wood pallets.
- Requires just 75 sq. ft. to assemble on site.

Reduce solid waste

- Only about 10% of wood products are recycled while over half of all paper products are recycled. Switching to FirmaLoad carriers reduces your solid waste contribution more than four fold.

* *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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FirmaLoad carrier patent pending and trademark applied for.

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