



How do I deploy and fill the bags?

Beluga™ Barriers are designed to be deployed by unskilled personnel. Each complete 5 compartment barrier weighs only 50lbs, with wooden inserts, allowing two people to move sections into position and to expand the bags compartments, like an accordion, for filling. Single Barriers are only 10lbs. Filling typically is done with material handling equipment. When full, single Beluga bags can be moved using traditional material handling equipment (forklifts, cranes, Lull's, etc). The 5 compartment bag can be moved using a heavy duty spreader bar.

How long does Beluga™ take to set up?

Set up time varies based on location, but with proper handling equipment, a 100ft long berm can be constructed using the BG5 - Beluga 5 Compartment bag in approximately 2.5 hours with 2 people plus equipment operator.

What is the ideal fill for the bags?

We recommend filling Beluga bags with sand or small gravel, but you can fill the bags with concrete or even other earthen material available on site.

How durable are the Beluga Bags?

Beluga™ bags are made from a very durable 170 GSM fabric, that can support up to 4500lbs per compartment and all seams are double stitched for added strength and durability.

Can you fill these by hand?

While you could fill Beluga bags by hand, we recommend filling them with material handling equipment for ease of fill and transport. A front end loader, backhoe, skid steer or other handling equipment will help speed deployment of Beluga flood barriers.

Why don't I just use sandbags?

A single 5 compartment Beluga bag (BG5) replaces the need for about 750 standard sandbags. There is no wasted space, so Beluga Flood Barriers use roughly half the amount of sand required for an equivalent sandbag barrier and you need significantly less labor to position and fill.

Are these effective against floods?

Beluga bags are an ideal solution for flood control, coastal erosion, infrastructure protection, cofferdams, and more. They are our most durable and effective flood control system and are designed for heavy duty use in small and large quantities.

Can I use these to create a cofferdam?

Yes! Beluga™ bags are ideal for creating heavy duty cofferdams to keep water out of work sites and for protecting workers during river, lakeside, oceanside and creekside work.

Will these oversized sand filled barriers break down in the sun?

Each Beluga bag is treated with a 2200 hour UV protection package, which protects the bag material from degradation and damage due to sun exposure.

What types of surfaces can I use these on?

Beluga™ Barriers are ground conforming, and when filled follow the contour of the ground below. Beluga bags can be used on all types of surfaces - concrete, asphalt, sand, grass, gravel, mud, and more.

Why would I need a single Beluga bag?

Single Beluga bags are typically used for shorter runs or to terminate a run of larger Beluga™ Bags. You can also use single FIBC bags to transport bulk materials, to seal off sewer grates, and to provide ballast for other applications.

How do I break these down?

The easiest way to break down a Beluga barrier flood wall is to tip the bags on their side, allowing the sand to spill into a pile that can then be collected using a front end loader. Individual, single compartment, bags can be lifted and transported offsite for later use. Some municipalities have suction equipment that can be used to suck out sand from Beluga compartments and into a dump truck or storage bin.

How do the Beluga Bags ship?

Beluga bags ship flattened on pallets, ready to be opened, positioned and filled. We can ship about 90 of the 5 compartment bags on a pallet, banded in bales.