

# High Fall Safety Air Mattress Usage And Safety Declaration

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The two stage High Fall Safety Air Mattress Live Load Capture Device exceeds all testing certification requirements for providing successful life saving load capture of a particular weight and mass from the fall rating specification posted with of each model.

The device is designed to safely envelop a human body upon impact, provided the greater portion of the body mass contacts the top impact surface area of the device.

Testing procedures performed on October 15th, 2007 included separate repeated drops of an inanimate mass weighing 97 lbs (89,3 kg) and a live load weighing 250 lbs (113,3 kg). The results indicated that the capture device is capable of absorbing the impact shock of the described mass, applying a cushioning effect which is safely below human tolerance levels as prescribed by "Human Tolerance To Impact" data published by NASA.

Further testing performed by SEACORP included repeated impacts from torpedos weighing up to 700 lbs (317,5 kg) at 55 mph (88,5 kmh) at a frequency of 10-25 times per day for a period of five years. The capture device was fitted with a Kevlar blanket over the top impact area. The results produced no apparent loss of original device specifications. The test was performed to illustrate the effectiveness of the patented air flow system and the durability of the materials.

Outer material is 18 oz (510 g) rip-stop Vinyl. Custom impact surface materials such as Kevlar, Nomex or enhanced Vinyl are available as options. Inflation blowers are low decibel 110v. 220v conversion is available as an option.

Warranty period is five years from date of purchase, provided the device is utilized within the specifications of the recommended usage for the particular model.