

Explosion Prevention System

News Letter

MARCH 2011

We are pleased to offer **Explosion Prevention System** as below and refer to our website for your reference.

The STOP Explosion Prevention System relies on a precision engineered proprietary aluminum alloy mesh to provide protection from explosive combustion in fuel tanks and other containers filled with flammable liquids and gases. It has been developed to provide rapid thermal conductivity, rigid mesh structure, crush strength and superior corrosion resistance. STOP equipped fuel tanks or other containers with flammable liquids or gases are prevented from explosive combustion.



Function Method

- ☐ The high thermal capacity alloy of STOP acts as a heat sink. It instantaneously removes dangerous thermal energy.
- ☐ The mesh design separates hot gaseous mixtures instantaneously into small volumes which extinguish any flame or explosive process extremely fast and reliable.
- ☐ The mesh acts as a physical barrier to the traveling flame front and as a barrier to fires of all kind.
- ☐ The mesh-structure reduces the swash-effect tremendously.



STOP is available in rolls or balls which both are adaptable to the space to be filled in existing fuel tanks, containers and jerry cans of all types.



Extensive testing has been performed over the last 20 years by the German Army's test center, U.S. Air Force Flight Test Center AFB, U.S. TARDEC/SWRI Fuels and Lubricants Lab in San Antonio, T.E.S.I. and RINA in Italy etc.



Equipped vehicles (may vary from country to country), e.g.:

☑ **Tanks:** KMW Leopard I and II

KMW/RLS/Stork BOXER

KMW DINGO I and II



☑ **Ships:** White Rose of Drachs Shannandoa

☑ **Ultralights:** ELA Aviacion s.l.

Certified by the following organizations:

☐ **NATO**

☐ **German Army**

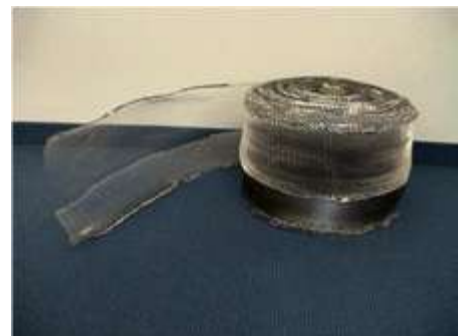
☐ **Registro Italiano Navale**



Mesh Balls



Mesh Rolls



Mesh



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www.offer.euromid-int.com

Generally spoken, 90 % of the tank space need to filled with one of our products to achieve 100 % of protection against explosion.

The Mesh is our basic product it is either transformed into Mesh-Balls or Mesh-Rolls or putted directly into the tank space which should be protected. It is sold in meters, coming in rolls of 250 m each.

The Mesh-Balls are for smaller tank volumes up to 300 liters, fuel tanks with a more complicated shape or fuel tanks where it is difficult to get either Mesh or Mesh-Rolls in. They are sold in liters, coming in 1.000 liter cartons.

The Mesh-Rolls are for bigger fuel tanks like in the Leopard 2, the Boxer or the Dingo, all products of KMW and Rheinmetall. We have about 12 different sizes. They are sold per part and as they are handmade, prices vary due to shape and intensity of work being done on them.

STOP Explosion Prevention Protection Services:

The highly experienced engineers will consult you and provide installation services of our Stop Explosion Prevention System as follows:

- Fuel tanks in cars (swimmers and gauges)
 - All types of fuel tanks in boats and ships (civilian and military)
 - All types of armored vehicles (wheeled and tracked)
 - Pipelines and storage tanks
 - Drilling platforms
 - Custom made solutions for the chemical industry
- All types of cannisters

If you have more request, pls don't hesitate to contact us anytime.



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