



**Plastic
Reinforcements
Inc.**



tm

Foreign **O**bject **D**amage **S**hield

The Plastic Reinforcements **FOD Shield** is a heavy-duty rubberized work mat engineered to provide the most technically advanced protection for costly composite structures that are subject to damage upon impact.

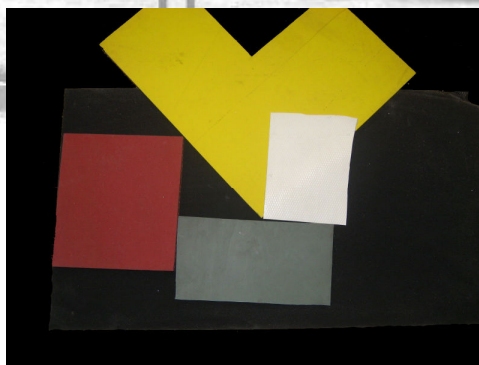
FOD Shield should be used where impact can cause damage and expense. The shield can be used as a protective cover or as an insulating mat.

The **FOD Shield** has been designed to reduce impact by more than five times the weight of the force hitting the shield. This unique ability is due, in part, to the load dispersing membrane that is interwoven within the **FOD Shield**



Edge View Showing Embedded Membrane

FOD Shield can be used as a surfacing material for extremely high foot traffic areas and can be provided colored, embedded with logos, shaped and formed.



FOD Shield Protects...

- Aerospace structures during maintenance, assembly and repair.
- Carbon tooling from damage.
- Aircraft interiors and cargo floors during construction.
- High value delicate surfaces.
- Ultra High Foot Traffic Areas.
- Tool and part damage in machine shops.

FOD Shield has been tested by an independent testing laboratory for standard aerospace applications to determine water absorption characteristics and specific gravity. Testing also determined the tensile ultimate elongation for degreasing, skydrol, JP-4 and de-icing fluid.



Plastic Reinforcements **FOD Shield** surface mat is used to protect the surfaces of the B2 Bomber from foreign objects

Plastic Reinforcements Inc.

15126 S. Sierra Bonita Lane

Chino, Ca. 91710

Phone: 909.597.4771

Fax: 909.597.0922



Plastic Reinforcements **FOD Shield** surface mat is used to protect the surfaces of the F35 Lightning II JSF (Joint Strike Fighter) from foreign objects

sales@plasticreinforcements.com

www.plasticreinforcements.com

Foreign Object Damage Shield

Features

1/4" Standard Thickness, (consult factory for additional needs)

Sizes and shapes are made to your specifications.

Impact dispersed 5 times the weight of the object

Non-skid surface

Suction-designed undersurface

Customized data printed on each **FOD Shield**

Standard: black with yellow lettering. (Custom colors are available)

"NO STEP" signs printed on each **FOD Shield**

Access Areas

Foreign Object Damage Shield

Benefits

1/4" is able to disperse impact for most standard applications

FOD Shield can be custom designed to fit into and around your specific work area

FOD Shield contains a special interwoven load-dispersing membrane to handle high impact conditions

Textured surface prevents slippage of personnel and tools

FOD Shield's unique undersurface clings to contours providing a stable work surface

Indicate identification and data such as location on the aircraft, ID, company name, part number, etc.

Yellow and black are familiar industry caution color codes

"No Step" or caution signs can be printed to coincide with the existing warnings on the aircraft

Access areas can be designed for observation or inspection without mat removal