

Part # SPF FOOTBALL PLUG is a football-shaped, polyurethane impregnated, water activated foam plug used to temporarily stop the flow from a leak in anything from a pipe to a tanker, to a railcar-even a boat! It is initially pliable to insert into a void and quickly expands and hardens to fill the void-it can even be applied below the water line.







Remove Football from package



KIT CONTENTS

Step-by-Step Instructions Protective Gloves, Football Plug.

BENEFITS: Ready to use. Simple application. Effective, time saving. No mixing, no mess. Sets rock hard in minutes

TYPICAL APPLICATIONS

Spill containment, marine thru-hull damage.

PROPERTIES Color: Foam-yellow Urethane-white Cure Time: 2 minutes at 75°F (24°C) Resin Type: Pre-impregnated Application Temperature: 32 to 160°F (0 to 71°C) Size: 3.25" OD x 6"





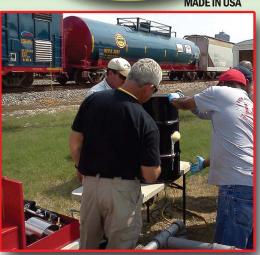
Submerge in water for 5 seconds





Apply to hole





Below: Application on Low Pressure Pipe















Actual incident Hwy 113 @ I-80 on Dec. 12, 2012, near Sacramento, California.

Truck was able to continue to repair shop without having to transfer remaining fuel from tank.



Another actual incident on Dec. 5, 2013. Three Footballs and four Golfballs needed to stop this leak!

TYPICAL URETHANE CHEMICAL RESISTANCE

EXCELLENT RESISTANCE

Ammonium hydroxide, 10% solution Ammonium sulfate, 2% solution

Benzene

Benzene chloride Butyl acetate

Brine, saturate

Brine, 10% solution

Butarol

Carbon tetrachloride

Diesel fuel

Diilsobutylene

Diisobutylketone

Gasoline

Hexane

Hydrochloric acid, 10% solution Hydrogen sulphide, 100% wet

Isopropanol

JP-4 Fuel; JP-5 Fuel

Kerosene Linseed oil Mineral spirits Motor oil Acetone Orthodichlorobenzene

Potassium chlorate, 5% solution Potassium hydroxide, concentrated

Styrene

Sulfuric acid, 10% solution

Toluene

Trichloromonoflouromethane

Turpentine

Water

Xylene

GOOD RESISTANCE

Acetic acid, 2% solution

Ammonium hydroxide, concentrated

Anylacetate

Butyl acetate

Chlorobenzene

Ethylene glycol, 100%

Formaldehyde

Hydrochloric acid, concentrated

Trichloroethylene

Varsol

FAIR RESISTANCE

Ethyl acetate

Methylene chloride

POOR RESISTANCE

Acetone

Ethyl Alcohol , Methyl Alcohol

Methyl ethyl ketone

SEVERE SOLVENT ACTION

Sulfuric acid, concentrated Nitric acid, concentrate

PROCEDURES TO BE TAKEN IN HANDLING AND STORAGE:

For ideal shelf life, store Syntho-Plug in a cool, shaded area at 72°F (23°C). Do not expose to temperatures above 110°F (44°C) or below 40°F (5°C). Care must be taken when handling Syntho-Plug's hermetically sealed foil pouch to prevent puncturing or scuffing. If the protective foil pouch is punctured, the Syntho-Plug will be exposed to atmospheric moisture which will cause it to cure within the foil bag. STORE IN A COOL, SHADED AND DRY AREA.

PRECAUTIONS:

The resin used in Syntho-Plug will adhere to skin and clothing and may cause skin irritation. Protective gloves should be worn while handling. Care should be exercised to avoid contact with unprotected areas of skin and eyes, Swabbing lightly with alcohol or acetone will help remove resin from skin (prior to set). If eyes are exposed to the resin, flush eyes with water 15 minutes and then contact physician.