



# TUFF STUFF® Polyurethane

## ABBREVIATED DATA SHEET

Date Revised: 11-01-01

### ■ GENERIC TYPE:

Elastomeric polyurethane. 100% solids (no VOCs, no solvents).  
(Variations: pigmented, flame retardant, slow)

### ■ GENERAL PROPERTIES:

TUFF STUFF® is a two component, 100% solids (no VOCs, no solvents), exothermic, rapid curing, elastomeric polyurethane lining system.

- Minimum recommended thickness approximately 1/16" (62.5 mils), (1.6 mm)
- Maximum thickness – unlimited.
- Excellent abrasion resistance.
- Excellent impact resistance.
- High tensile strength, elongation and tear strength properties.
- Excellent weather resistance.
- Excellent corrosion resistance.
- Excellent casting material.
- Good chemical resistance.
- Good sound reduction.

### ■ RECOMMENDED USES:

Elastomeric properties allow for application to surfaces subject to:  
vibration, expansion, contraction, movement, flexing, abrasion, chemical exposure, corrosion and impact.

Sprayed-on load area liner with a high level of protection and strength.

Bonds to virtually all substrates of any dimension.

Reduces noise transmission.

Stable up to 175° F (78.6° C).

Impervious, monolithic secondary containment coating for concrete and many other substrates.

Allows for vehicular and foot traffic.

Chemical processing equipment and tank coating.

Floor and wall protection - food handling, food processing, and commercial kitchens.

Casting material for polyurethane component production.

Immersion service.

### ■ NOT RECOMMENDED FOR:

Hydrostatic barriers.

Sustained temperatures above 175° F (78.6° C).

Concrete substrates subject to high impact.

High density polyethylene or thermo plastics.

Immersion service in strong solvents or acids.

### ■ SUBSTRATES:

Metals, wood, concrete, fiberglass and most plastics.

### ■ VOLATILE ORGANIC CONTENT:

None. 100% solids.

### ■ DRY FILM THICKNESS RANGE:

Approximately 1/16" (62.5 mils), (1.6 mm) - unlimited.

### ■ TYPICAL PHYSICAL PROPERTIES OF TUFF STUFF®:

Hardness (Shore A)	85-90	ASTM D-2240
Tensile Strength (psi)*	1700-1900	ASTM D-412
Elongation (%)*	325-375	ASTM D-412
Flexural Modulus (psi)	5600-6400	ASTM D-790
Taber Abrasion Resistance (mg of loss/1000 cycles)		
CS17 Wheel; 1000 grams weight	10-15	ASTM D-4060
Tear Resistance (pli)* Die C	140-150	ASTM D-624

\* Properties were checked from TUFF STUFF® polyurethane lining, 1/8" (125 mils), (3.18 mm) thick stock.

For additional information,  
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