



Durabond™ Polyurethane

ABBREVIATED DATA SHEET

Date Revised: 11-01-01

■ GENERIC TYPE:

Elastomeric polyurethane. 100% solids (no VOCs, no solvents).

■ GENERAL PROPERTIES:

Durabond™ 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.
- High tensile strength, elongation and tear strength properties.
- Good chemical resistance.
- Excellent corrosion 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.

Processing equipment and tank lining for systems requiring high hydrolytic stability.

Bonds to virtually all substrates of any dimension.

Reduces noise transmission.

Stable up to 175° F (78.6° C).

Material delivery systems where a seamless flexible system is essential.

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

Black or dark colors.

■ 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.

High abrasion resistance.

■ 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 Durabond™

Hardness (Shore D)	45-50	ASTM D-2240
Tensile Strength (psi)*	2100 - 2200	ASTM D-412
Elongation (%)*	50 - 80	ASTM D-412
Flexural Modulus (psi)	2400 - 2800	ASTM D-790
Taber Abrasion Resistance (mg of loss/1000 cycles)		
CS17 Wheel; 1000 grams weight	25 - 30	ASTM D-4060
Tear Resistance (pli)* Die C	200-250	ASTM D-642

* Properties were checked from Durabond™ polyurethane lining, 1/8" (125 mils), (3.18 mm) thick stock.

For additional information,
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