

# QwickLiner™ PRODUCT DATA SHEET

Date Revised: 01 March 2008

## GENERIC TYPE

Elastomeric polyurethane. 100% volume solids (no Volatile Organic Compounds, no solvents)

## GENERAL PROPERTIES

QwickLiner™ is a two (2) component elastomeric polyurethane lining system. The two components are separately and simultaneously pumped from their respective storage containers and mixed together at the point of the cartridge gun.

At the point of leaving the spray gun, the two-component mix has started to react and will become a solid in 30-50 seconds. The sprayed solid coating becomes tack-free in 30-60 seconds (depending on thickness of coating, surface temperatures, ambient temperature and relative humidity).

## RECOMMENDED USES

QwickLiner™ is predominately used as a spray on liner for the insides of utilities, trucks and trailers. It is used for coating metal, wood, concrete, fiberglass and other surfaces. QwickLiner™ is suitable for applications where abrasion, impact or corrosion protection is required.

## STORAGE AND HANDLING

QwickLiner™ is hygroscopic and should be stored away from moisture and direct sunlight. Storage at temperatures between 20 - 30 degrees C will maximize product life.  
 Component Temperature: 20°C - 30°C  
 Substrate Temp: 15°C - 43° C

## TYPICAL PHYSICAL PROPERTIES

(ASTM TEST METHODS @ 73°F)

Hardness, Shore A	D-2240	85 (+/- 5)
Specific Gravity	D-792	1.07 -1.12 g/cc
Tensile Strength	D-412	1800+/-150 psi
% Elongation	D-412	300-355%
Secant Modulus		
@200% elongation	D-412	700+/-50 psi
@400% elongation	D-412	1100-1250 psi
Tear Resistance Die C	D624	220 -245 psi
Taber Abrasion Resistance		
(weight loss using 1000gm weight @ 1000 cycles) CS-17 Wheel	D-1044	10 -15mg
Water Absorption (24 hours)	D-570	< 1.7%
Ross Flex (% crack growth per 50,000 cycles)	FIA-308	=0
Flexural Modulus	D-790	5500-6200psi
Dielectric Strength	D149	280volts/mil
Volume Resistancy	D257	6x10(12)ohm-ins
Dielectric constant	D150	5.4 MgH
Dissipation Factor	D150	0.058 MgH
Shelf Life		6-12 months unopened, when maintained at 15-25°C

**Always ensure the Part B side is thoroughly mixed just prior to use.**

RATIO: volume = 1:1

## DRY FILM THICKNESS (subject to application)

Automotive Coating thickness:  
 Floor/tailgate/rail 4 to 6+ mm,  
 walls 2+ mm

## REACTIVITY

Tested in cups,  
 Initiation 15 - 25 seconds  
 Gel 20 - 35 seconds  
 Tack-Free/Solid < 60 seconds  
 95-99% cure 24 hours