

Description

SL-410 is a unique two component, 100% solids (contains no V.O.C.), polyurethane compound. SL-410, when fully cured provides a durable flexible coating, which is highly resistant to abrasion or impact. SL-410 is applied by preloaded hand dispensed cartridges or low-pressure plural spray systems. Initially when applied, SL-410 forms a thick creamy gel, which allows for application to vertical or overhead surfaces without sagging or drips. The polymer will remain in this state for 10 to 15 minutes which allows for easy clean up with mineral spirits for "over sprayed" areas. After 30 to 45 minute SL-410 begins to form a polymer surface with low tack and can be exposed to environmental moisture without effect. Full cure is obtained in 12 to 24hr from application depending on temperature

Application

SL-410 is packaged in 250-gallon plastic tote containers. Liquid containers should be maintained at 72° F for best results. Warmer temperatures will decrease working life; cooler temperatures will increase application time.

Choose a work area that is free from visible moisture and capable of maintaining a temperature range of 60° F to 80° F. No special primer is needed. Application surfaces should be clean and dry to insure a complete bond.

After temperature stabilizing the liquid components, component B should be thoroughly agitated for 30 minutes before each work-day's use a dedicated tote mixer. Component A does not require mixing.

Gloves and eye protection should be worn during application process (see Industrial Polymers material safety data sheet for more details).

Clean-Up

Initially when applied SL-410 is easily cleaned from surfaces with mineral spirits i.e. 10 to 15 minutes from application. Acetone may be required if the polymer is allow to further cure.

Pumps and hoses should be flushed with D.I.D.P. plasticizer if equipment is not used for more than 5 days

Typical Properties

	Viscosity	Specific Gravity	Weight Per Gallon
Component A	1,000 cps	1.07	8.94 lb.
Component B	960 cps	1.04	8.67 lb.
Mixed	500,000 cps	1.06	8.81 lb.

Mixing Ratio	
By volume	1 part A to 1 part B
By weight	100 parts A to 97 parts B

Gel time	1-2 seconds
Work life	10-15 minutes @ 72° F
Set time	30-45 minutes @ 72° F
Full cure 12 to 24 hrs. depending on temperature and relative humidity.	

Physical Properties

	Test Method	Value
Hardness	ASTM 2240	72 Shore A
Elongation	ASTM 412 die C	250%

Color Black

**Storage
Shelf Life**

SL-410 is shipped from the factory in sealed containers. The containers should be stored in a cool, dry area that is protected from direct sunlight and moisture. Storage temperatures should not exceed 80° F. The shelf life of factory sealed containers stored under these conditions is six months.

Packaging

SL-410 is available in 250-gallon plastic fully returnable tote containers. A 500 gallon kit (250 gallon part A / 250 gallon part B) has a net weight of 4405 lbs.

Gross weight 4669 lbs

SL-410 has a non-hazardous rating for shipping.