



Product Data Sheet

MembraCoat - 540

Elastomeric Polyurethane

Generic Type

Modified Urethane Elastomer. A Cold applied liquid coating, Catalyst (Curing agent) added just prior to application.

General Purpose

An elastic, weather resistant urethane membrane for re-roofing worn out and leaking tar or asphalt roofs. **MembraCoat-540** is applied directly over old roofing- It is not necessary to completely remove worn out felts. Also recommended for protection of sprayed-in-place urethane foam and concrete decks.

Heavy duty MembraCoat-540 combines outstanding protection from ponding water, heat, hail, sunlight and erosion. Permanent elasticity of **MembraCoat-540** gives excellent resistant to freeze-thaw cycles.

Physical Characteristics



- 1.- Weather Resistant** - Film is unaffected except for slight reddish chalking after 3 years outdoor exposure. Erosion rate is less than 1 mil per year.
- 2.- Resists Moisture** - Permeability to water vapor is less than 0.8 Perms. (ASTM D-1653-52).

3.- Permanently Elastic.-

Elongation at 72 °F	500% minimum
Elongation at 35 °F	200% minimum

4.- Outstanding Strength and Adhesion.-

Tensile Strength of 45-65 Psi. Adheres to Tar , Asphalt , Urethanes foam or concrete surfaces.

5.- Excellent Heat Resistant.-

Continuous service up to 220 °F

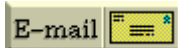
Application Characteristics



1.- One Coat Application - Recommended film thickness of 40 mils dry is readily applied in one coat. It is not necessary to remove the old roofing material (unless there is loose gravel, which must be removed). **MembraCoat-540** is coated right over the old roof after specified repairs have been made.

2.- Economical Application - **MembraCoat-540** often eliminates the need for a tear off. This elastomeric membrane forms a new roof directly over the old substrate without the possibility of water entrapment between the roofing systems.

3.- Continuous Membrane - Coating freely flows into cracks, pits, voids or alligatored surfaces to form a permanently elastic membrane.



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Specification Data

Theoretical Solids by Volume	98% ± 2%
Theoretical Coverage at 40 mils Dry Film *	39 Sq. Ft./Gallon 2 ½ Gallons per 100 Sq.Ft.
Recommended Film Thickness	40 mils Dry.
Mixing Ratio (V/V)	3 Parts Component A 1 Part Component B
Shelf Life	1 year, minimum
Cure Time at 77 °F and 50% R.H.	8 hours to gel. 72 hours before foot traffic.

Note: Under certain combinations of temperature and humidity, longer cure time may be required.

* Actual coverage will vary depending on roughness of roof surface and method of application. For example, a roof with gravel still embedded in the surface or a severely alligatored roof could have an actual coverage of less than 25 Sq.Ft per gallon **MembraCoat-545**.

Application Data

Surface Preparation: See details in MembraCoat-540 application instructions.

Mixing: Mix well 3 parts by volume of Part A to 1 part by volume of part B. For spray application add 1 pint of **SolvenSany # 280** per gallon of mixed MembraCoat-540. Amount of Thinner will vary depending on weather conditions. Mix only as much as can be used in 1 hour.

Suggested Equipment – Other equipment may be satisfactory depending on specific application.

Application



1.- Airless Spray Application

Spray Equipment	30 to 1 Mastic Pump
Input Pressure	90 Psi
Airless Tip	0.043" to 0.049" orifice size with 12" to 18" fan
Pump Ratio	30:1



Use minimum 125 cfm air supply, ½" I.D. material line from pump to spray gun, 1" I.D. hose from air supply to pump.

Spray Thinned coating to achieve a 40 mils dry film thickness.

2.- Roller Application: Pour mixed, thinned **MembraCoat-540** onto roof surface. Spread with short nap roller to achieve a 40 mil dry film thickness.

3.- Cleanup: All equipment must be thoroughly cleaned and flushed with **SolvenSany # 260** or **SolvenSany # 280** before **MembraCoat-540** cures.

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