



REMR MATERIAL DATA SHEET CM-SE-1.35 CONCRETE SEALER: DP4992

1. NAME	Mixing ratio, by vol.	1:1
DP4992	Consistency	Self leveling or nonsagging (vertical)
2. MANUFACTURER	Set time, hours @ 75 °F, 50% rh	16 to 24
General Polymer Corp. 9461 Le Saint Drive Fairfield, Ohio 45014 Telephone: 513-761-0011	Pot life, minutes @ 75 °F, 50% rh	50 to 60
3. DESCRIPTION	Elongation, %	600 to 800
DP4992 is a two-component polyurethane elastomer, liquid-applied water-proofing that forms a continuous, seamless, flexible membrane when applied to vertical and horizontal surfaces.	Tensile strength, psi, min	60 to 75
	100% Modulus, psi min	25
	Shear strength, psi, min	25
4. USES & LIMITATIONS	Moisture vapor transmission rate, grams/hr/sq ft	0.07
<u>Uses:</u> DP4992 membrane is recommended as a waterproof membrane under standard deck and floor systems such as Thinset and Seamless Toppings and as a waterproof membrane between concrete pours.	Weatherometer, 1,000 hr	No cracks or hardening
<u>Limitations:</u> Subfloor must be free from hydrostatic pressure, free from paint, curing membranes and other materials which may prevent adhesion or affect cure.	Resistance to fungus	Excellent
5. MANUFACTURER'S TECHNICAL DATA	Hardness, Shore A	60
Color		
Solids content, %	Black	
Viscosity, poise	98 ± 2	
	30 to 40	
	6. MANUFACTURER'S GUIDANCE FOR APPLICATION	
	<u>Installation:</u> Substrate must be free of all contaminants. If form oil or silicone release agents have been used, surface must be tested for adhesion properties and ground, if necessary, to achieve a proper bond to the surface.	

Cracks and joints should be cleaned and filled with a flexible elastomeric sealant. All gouges or unevenness should be filled with Deco-Rez Epoxy Patching Compound.

2 days	0.10%
4 days	0.14%
7 days	0.25%

Coves and other areas where horizontal and vertical surfaces meet should be coated manually with the Deco-Rez Membrane extending on vertical surfaces to at least 4 in. above the level of the finished surface of concrete or seamless topping.

Ratio of percent moisture absorption for treated to nontreated specimen (2-day submersion): 2.13%

Deco-Rez Polyurethane Moisture Membrane can be applied by brush, serrated trowel, long-handled squeegee or suitable spray equipment. The DP4992 Membrane bonds to itself, and applications involving large areas may be continued at intervals without loss of membrane continuity. Sixty mils of membrane is required for adequate protection.

Percent vapor transmittance (see Technical Note CS-ES-1.8):

2 days	0.10%
4 days	0.16%
7 days	0.26%

No traffic should be allowed on the membrane until dry - 16 to 24 hr at 75 °F. Subsequent pours of concrete or seamless topping can be made after 24-hr cure, taking care in the placing and spreading of material to prevent gouging or tearing the membrane.

Ratio of percent vapor transmittance for treated to nontreated specimen (2-day diffusion): 5.0%

Coverage: Average 1,600 sq ft per gal per mil.

For mil thickness:

- 25 mils = 64 sq ft/gal
- 50 mils = 32 sq ft/gal
- 60 mils = 26.6 sq ft/gal

8. ENVIRONMENTAL CONSIDERATIONS

Reasonable caution should guide the preparation, repair, and cleanup phases of activities involving potentially hazardous and toxic chemical substances. Manufacturer's recommendations to protect occupational health and environmental quality should be carefully followed. Material safety data sheets must be obtained from the manufacturers of such materials. In cases where the effects of a chemical substance on occupational health or environmental quality are unknown, chemical substances should be treated as potentially hazardous toxic materials.

7. CORPS OF ENGINEERS' EVALUATION
(tested as concrete sealers only)

Physical and mechanical properties:

Percent solid
(ASTM D 1644, Method A): 95.0%

Percent moisture absorption
(ambient temp) (ASTM C 642-82):

1 day	0.08%
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