

PRODUCT DATA



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(Supersedes February 2009)

DECK-O-SEAL

Two-Part, Elastomeric, Polysulfide-Based Joint Sealant

DESCRIPTION

DECK-O-SEAL two-part, polysulfide-based joint sealant is a premium-grade, pourable, self-leveling sealant. It is a non-staining sealant that cures at an ambient temperature to a firm, flexible, tear-resistant rubber. DECK-O-SEAL is highly resilient and has excellent recovery characteristics after extended periods of compression or elongation. DECK-O-SEAL has outstanding resistance to most chemicals, to all weather conditions, aging, and shrinkage.

USES

DECK-O-SEAL is used for caulking and sealing joints subject to movement to provide a firm, flexible, weather-tight seal. It is ideal for sealing joints on swimming pool decks. It is applicable for both interior and exterior use.

FEATURES/BENEFITS

- Highly resilient with excellent recovery characteristics.
- Provides a uniform, watertight seal.
- Prevents uncontrolled cracking by allowing expansion and contraction during temperature changes.
- Stays flexible ... won't become brittle or crack due to ultraviolet exposure.
- Resists abrasion, weathering, and moisture ... elevated temperatures will not cause discoloration.
- Not affected by today's pool chemicals.
- Retains joint soundness in service once it's cured and can be stretched or compressed up to 25%.

PACKAGING

Patented, pre-measured, two-component unitized, easy-to-handle package contains proper ratio of base to setting agent, which must be maintained. Ninety-six oz. base material can, setting agent, stirring paddle, and applicator are all included. Twenty-four oz. unitized packaging kits are also available. NOTE: Applicator bottle is not included in the 24-oz. kits.

COVERAGE

(Approximate number of lineal feet that can be sealed with 96-ounce DECK-O-SEAL kit.)

WIDTH OF JOINT		1/4"	3/8"	1/2"	5/8"	3/4"	7/8"	1"
DEPTH OF JOINT	1/4"	231	154	106	92	77	66	58
	3/8"		102	77	62	51	44	38
	1/2"			58	46	38	33	29
	5/8"				37	31	26	23
	3/4"					26	22	19
	7/8"						19	17
	1"							14

SPECIFICATIONS

- CRD-C-506, Type I, Classes A & B
- ASTM C 920, Type M, Grade P, Class 25, NT
- Federal Spec. A-A-1556A, Type M, Grade P, Class 25, NT

SHELF LIFE

One year from date of manufacture. Store unopened product in a cool, dry place under 80° F (27° C)].

TECHNICAL DATA*

Consistency	Liquid, Self-Leveling
Application Life (77° F - 50% R.H.)	1 hour
Tack-Free Time	4 hours
Linear Shrinkage	Negligible
Shore Hardness	Shore A 20 ± 5
Tensile Strength	125 - 200 psi
Elongation	500%
Peel Adhesion (Per ASTM C 794) Plate Glass, Aluminum, Concrete	20 lb./in. min. (357 g/mm)
Application Temperature Range	40° - 122° F (4° - 50° C)
Storage Life	One year minimum, when stored in unopened containers under 80° F.

*All technical data is typical information, but may vary due to test methods, conditions and operators.

COLOR

Dura-White, Stone Gray, Desert Tan (Black, Redwood and custom colors available by special order)

APPLICATION

Follow these instructions carefully for maximum effectiveness. BE SURE TO WEAR PROTECTIVE SAFETY GLASSES AND CHEMICAL-RESISTANT GLOVES.

CONTINUED ON REVERSE SIDE...



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Surface Preparation ... Remove foreign substances, incompressibles and free water from joint opening. For proper adhesion, joints must be clean and dry. Dust, dirt, and laitance should be removed prior to application. Concrete should be completely cured and free from all foreign materials and contamination from curing agents. (Industry accepted standard for curing concrete is 28 days.) To maintain cleanliness around the joint to be sealed, apply masking tape 2" (50.8 mm) wide to the surfaces adjoining both sides of the joint before P/G PRIMER from W. R. MEADOWS and/or DECK-O-SEAL are applied.

Priming ... DECK-O-SEAL adheres well to unprimed concrete; however, P/G PRIMER is recommended for optimum adhesion. P/G PRIMER is *required* for all joints subjected to hydrostatic pressure, submersed underwater, and/or joints over 1" (25.4 mm) in width.

Joint Sizes ... Proper joint design practices and application techniques must be followed for successful performance. DECK-O-FOAM® or KOOL-ROD™ from W. R. MEADOWS may be used as a joint backing material to control sealant depth and provide proper joint configuration. For larger joints, use a non-asphalt joint filler, such as CORK EXPANSION JOINT from W. R. MEADOWS, in the joint before sealing.

A 2:1 width-to-depth ratio should be maintained. However, in no case should joint sealant *depth* be less than 1/4" (6.4 mm) or exceed 1/2" (12.7 mm). DECK-O-SEAL should NOT be used in joints less than 1/4" (6.4 mm) wide.

Mixing ... DECK-O-SEAL is supplied in pre-measured kits with a ratio of setting agent to base, which must be maintained. Store and mix in a cool, shaded area. Do not mix until ready to use. (Product cannot be re-sealed for future use.)

De-rim both cans with a can opener. Mix small can (setting agent) first, then pour into larger can. Pour the setting agent into the base and mix slowly. To aid in proper mixing, scrape material from the sides and bottom of the container until a uniform color is obtained. **Continue mixing for a recommended 10 minutes, minimum.** A slow-speed drill can be used. Care must be taken to ensure that all setting agent is thoroughly blended with the base component. Avoid trapping air in the sealant.

LIMITED WARRANTY

"DECK-O-SEAL®, A Division of W. R. MEADOWS, INC., warrants at the time and place we make shipment, our material will be of good quality and will conform with our published specifications in force on the date of acceptance of the order." Read complete warranty. Copy furnished upon request.

Disclaimer

The information contained herein is included for illustrative purposes only, and to the best of our knowledge, is accurate and reliable. DECK-O-SEAL cannot however under any circumstances make any guarantee of results or assume any obligation or liability in connection with the use of this information. As DECK-O-SEAL has no control over the use to which others may put its product, it is recommended that the products be tested to determine if suitable for specific application and/or our information is valid in a particular circumstance. Responsibility remains with the architect or engineer, contractor and owner for the design, application and proper installation of each product. Specifier and user shall determine the suitability of products for specific application and assume all responsibilities in connection therewith.

Application Method ... At 77° F (25° C) and 30% relative humidity, the application life is approximately one hour. Apply thoroughly blended material with supplied squeeze bottle (96 oz. kits only), caulking gun, or any other suitable applicator. Be sure to remove masking tape from both sides of the joint before the sealant starts to set. DECK-O-SEAL will set firm and rubbery within 24 hours at 77° F (25° C). At lower temperatures, curing time may take longer.

Cleanup ... Application equipment should be cleaned promptly with xylene or toluene.

PRECAUTIONS

DECK-O-SEAL is not compatible with asphalt and cannot be used in asphalt concrete pavement or with asphalt-impregnated expansion joint fillers. NOTE: It is not recommended to apply paint over DECK-O-SEAL products. DECK-O-SEAL cannot be used underwater. Only DECK-O-SEAL 125 or DECK-O-SEAL GUN GRADE should be used in joints under the waterline and it is strongly recommended that joints under the waterline be installed by a professional contractor trained in joint sealing application techniques. For all underwater applications, SELF-EXPANDING CORK EXPANSION JOINT from W. R. MEADOWS should be used as the backer rod in the joint.

LEED INFORMATION

May help contribute to LEED credits:

- EQ Credit 4.1: Low Emitting Materials: Adhesives and Sealants
- MR Credit 2: Construction Waste Management
- MR Credit 5: Regional Materials

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