



DATA SHEET NO. 7900-303

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-levelling 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 ideal for sealing joints on swimming pool decks subject to movement. It is applicable for both interior and exterior use.

FEATURES/BENEFITS

- Highly resilient with excellent recovery characteristics.
- Provides a uniform 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 discolouration.
- 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. 2.8 L (96 oz.) base material can, setting agent, stirring paddle and applicator are all included. 0.71 L (24 oz.) unitized packaging kits are also available. NOTE: Applicator bottle is not included in the 0.71 L (24 oz.) kits.

COVERAGE

Approximate quantity which can be sealed with a 2.8 L (96 oz.) DECK-O-SEAL Kit.

DEPTH OF JOINT	WIDTH OF JOINT						
	Mm (in.)	6 mm (1/4")	9 mm (3/8")	12 mm (1/2")	16 mm (5/8")	19 mm (3/4")	25 mm (1")
	6 (1/4")	70.4 m (231")	46.9 m (154")	32.3 m (106")	28.0 m (92")	23.5 m (77")	17.7 m (58")
	9 (3/8")		31.1 m (102")	23.5 m (77")	18.9 m (62")	15.5 m (51")	13.4 m (44")
12 (1/2")				17.7 m (58")	14.0 m (46")	11.6 m (38")	10.1 m (33")

SPECIFICATIONS/STANDARDS

- CRD-C-506, Type I, Classes A & B
- ASTM C920, 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 27° C.

TECHNICAL DATA

Consistency	Liquid Self-Leveling
Application Life @ 25° C & 50% R.H.	1 Hour
Tack-Free Time	4 Hours
Linear Shrinkage	Negligible
Shore Hardness	Shore A 20 ± 5
Tensile Strength	0.86 – 1.38 MPa (125 - 200 psi)
Elongation	500%
Peel Adhesion (Per ASTM C794) Plate Glass, Aluminum, Concrete	357 g/mm (20 lb./in.) min
Application Temperature Range	4° - 50° C

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

CONTINUED OVER ...

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COLOUR

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

APPLICATION

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

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 is 28 days.) To maintain cleanliness around the joint to be sealed, apply masking tape 50.8 mm (2") wide to the surfaces adjoining both sides of the joint before REZI-WELD™ LV from W. R. MEADOWS and/or DECK-O-SEAL is applied.

Priming ... DECK-O-SEAL adheres well to unprimed concrete; however, REZI-WELD LV is recommended for optimum adhesion.

Joint Sizes ... Proper joint design practices and application techniques must be followed for successful performance. DECK-O-FOAM®, KOOL-ROD™, or KOOL-ROD SOFT 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 6.4 mm (1/4") or exceed 12.7 mm (1/2"). DECK-O-SEAL should NOT be used in joints less than 6.4 mm (1/4") 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 colour 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.

Improper mixing will result in inconsistent and improper product setting; some areas will be soft or still liquid. The improperly mixed material will need to be completely removed and the joint interfaces cleaned, then reapplied with DECK-O-SEAL that has been properly mixed.

Application Method ... At 25° C and 30% relative humidity, the application life is approximately one hour. Apply thoroughly blended material with supplied squeeze bottle, 2.8 L (96 oz. kits only), caulking gun, or any other suitable applicator. Be sure to remove masking tape from both sides of joint before the sealant starts to set. DECK-O-SEAL will set firm and rubbery within 24 hours at 25° C. At lower temperatures, curing time may take longer.

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

PRECAUTIONS

Allow DECK-O-SEAL to cure for a minimum of 24 hours at 23° C) prior to being exposed to rainfall. 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. DECK-O-SEAL 125 or DECK-O-SEAL GUN GRADE should be used in joints under the waterline. For underwater applications, see current DECK-O-SEAL 125 and DECK-O-SEAL GUN GRADE data sheets for recommendations and application information.

MASTERFORMAT NUMBER AND TITLE

07 92 13 - Elastomeric Joint Sealants

13 11 00 - Swimming Pools

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