



DATA SHEET NO. 7900-302

DECK-O-SEAL® GUN GRADE Two-Part, Gun Grade Joint Sealant

DESCRIPTION

DECK-O-SEAL GUN GRADE is a two-component, non-sag, non-flowing polysulfide-based sealing compound. It is a non-staining sealant that cures to a firm, flexible, tear-resistant rubber. DECK-O-SEAL GUN GRADE is highly resilient and has excellent recovery characteristics, even after extended periods of compression or elongation. It has outstanding resistance to most chemicals, to all weather conditions, aging, and shrinkage. For on-the-job use, DECK-O-SEAL GUN GRADE is supplied in pre-measured kits containing the base compound and a separate container of setting agent, with enough room in the base container for blending both components.

USES

DECK-O-SEAL GUN GRADE is a premium quality, flexible sealing compound for use in applications where short turn-around time is a requirement, such as pool bottom and sidewall repairs and areas subject to pedestrian and vehicular traffic.

DECK-O-SEAL GUN GRADE can be used for general purpose caulking of joints and seams (both above and below water), glazing, weatherproofing, exterior curtain wall sealing, and interior/exterior expansion joint sealing. All submerged applications must be primed with REZI-WELD LV from W. R. MEADOWS.

FEATURES/BENEFITS

- Non-staining sealant cures to a firm, flexible, tear-resistant rubber.
- Highly resilient with excellent recovery characteristics.
- Outstanding resistance to most chemicals, all weather conditions, aging, and shrinkage.
- Ideal for short turn-around time applications, i.e. pool bottoms, sidewall repairs, and high pedestrian and vehicular traffic.
- Used for general purpose caulking, glazing, weatherproofing, and curtain wall and joint sealing.
- Supplied in unitized, pre-measured packaging (base and setting agent), ready for instant blending.

PACKAGING

2.8 Litre (96 Oz.) Kits
Standard colours: Dura-White, Stone Gray, Desert Tan. Jet Black and Redwood are available upon special order.
6.6 Litre (1.75 U.S. gallon) Cans
Available only in Stone Gray.

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COVERAGE

Joint Depth	Joint Width						
	6.4 mm (1/4")	9.5 mm (3/8")	12.7 mm (1/2")	15.9 mm (5/8")	19.1 mm (3/4")	22.2 mm (7/8")	25.4 mm (1")
6.4 mm (1/4")	70.4 (231)	46.9 (154)	32.3 (106)				
9.5 mm (3/8")		31.1 (102)	23.5 (77)	18.9 (62)	15.5 (51)		
12.7 mm (1/2")			17.7 (58)	14 (46)	11.5 (38)	10 (33)	8.8 (29)

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

SPECIFICATIONS

- Federal Specification A-A-1556A, Type M, Grade NS, Class 25, Use T
- CRD-C-506, Type II, Classes A & B
- ASTM C 920, Type M, Grade NS, Class 25, Use T (Except for application, life requirement)
- Agriculture & Agri-Food Canada Accepted

SHELF LIFE

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

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TECHNICAL DATA

Consistency	Thixotropic paste
Application Life {25° C (77° F), 50% R.H.}	Approx. 1 hour
Tack Free Time {25° C (77° F), 50% R.H.}	4 hours maximum
Linear Shrinkage	Negligible
Volume Shrinkage	Negligible
Shore Hardness	Shore A 20±5

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Tensile Strength	862.5 to 1725 KPa (125 to 250 psi)
Elongation	400%
Peel Adhesion (Per ASTM C 794) Plate Glass, Aluminum, Concrete	357 g/mm (20 lb/in.) Min.
Application Temperature Range	4 to 50°C (40 to 122°F)
VOC Content	0 g/L

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

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 and/or DECK-O-SEAL GUN GRADE are applied.

Priming ... DECK-O-SEAL GUN-GRADE adheres well to unprimed concrete; however, REZI-WELD LV is recommended for optimum adhesion. REZI-WELD LV is *required* for all joints subjected to hydrostatic pressure, submerged underwater, and/or joints over 25.4 mm (1") in width.

Joint Sizes ... Proper joint design practices and application techniques must be followed for successful performance. DECK-O-FOAM[®] 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 GUN GRADE should NOT be used in joints less than 6.4 mm (1/4") wide.

Mixing ... DECK-O-SEAL GUN GRADE 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. 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 for a recommended 10 minutes, minimum.** A slow-speed drill can be used. Care must be taken to ensure that the

entire setting agent is thoroughly blended with the base component. Avoid trapping air in the sealant.

Application Method ... At 25° C (77°F) and 30% relative humidity, the application life is approximately one hour. Apply thoroughly blended material with a hand or air-operated caulking gun, putty knife, or trowel. Tool sealant beads with tools wetted with clean water. Handgun application is most effective at temperatures of 15.6° C (60° F) or higher. Air-operated equipment is effective at temperatures as low as 4.4° C (40° F). DECK-O-SEAL GUN GRADE will set firm and rubbery within 24 hours at 25° C (77° F). At lower temperatures, curing time may take longer.

Cleanup ... Application equipment should be cleaned promptly with xylene or toluene. Joints may be taped for neatness and to minimize any cleaning requirements. Avoid contact with skin. Wash with soap and water immediately if contact should occur. Refer to Material Safety Data Sheet for complete health and safety information.

Maintenance ... If DECK-O-SEAL GUN GRADE is damaged, and the joint has not been contaminated, it can be repaired by cutting out the damaged portion and re-sealing it with DECK-O-SEAL GUN GRADE.

PRECAUTIONS

DECK-O-SEAL GUN GRADE is not compatible with asphalt and cannot be used in asphalt concrete pavement or with asphalt-impregnated expansion joint fillers. Note: Do not apply paint over any surfaces sealed with DECK-O-SEAL GUN GRADE. It is strongly recommended that joints under the water line be installed by a professional contractor trained in joint sealing application techniques. Consult with an engineer for proper joint design or waterproofing detail. Homeowners should not attempt these installations. If chlorine granules are used, they must be pre-dissolved before adding to the pool. Due to issues in maintenance, water chemistry, and/or the type of sanitizer used, settlements and growths can attach to the product. This is usually a cosmetic issue only and does not affect the integrity of the product. It is recommended that a NSPF-certified pool operator or like professional maintains the pool and water according to the bather load at least weekly in accordance to APSP guidelines and the Langelier Saturation Index.

LEED INFORMATION

May help contribute to LEED credits:

- IEQ Credit 4.1: Low Emitting Materials: Adhesives and Sealants
- MR Credit 5: Regional Materials

MASTERFORMAT NUMBER AND TITLE

07 92 13 - Elastomeric Joint Sealants
13 11 00 - Swimming Pools

For most recent data sheet, further LEED information, and MSDS, visit: www.deckoseal.com

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