



Product Description

D-Seal is a premium, high-performance joint sealant designed to withstand the demanding conditions of modern construction. It delivers a rugged yet highly elastic seal that effortlessly absorbs structural movement, making it the ideal solution for joints requiring extreme compression and expansion exceeding 50%.

Features & Benefits

Performance & Application

- **+/- 50% Joint Movement:** Absorbs extreme structural expansion and contraction.
- **100% Solids, Zero Shrinkage:** Won't shrink, crack, or lose volume after curing.
- **Primerless Adhesion:** Bonds instantly to most surfaces, including Kynar®, saving time and labor.
- **Non-Slump Formula:** Stays put without sagging; ideal for vertical and overhead use.

Safety & Environmental

- **Safe & Solvent-Free:** Completely free of solvents and isocyanates.
- **Ultra-Low VOC (21.22 g/L):** Complies with strict environmental standards.
- **Low Odor & Non-Flammable:** Safe and comfortable for indoor or confined-space use.

Finish & Aesthetics

- **Paint Compatible:** Easily painted over to match surrounding finishes.
- **Non-Silicone & Non-Staining:** Won't bleed or discolor porous substrates. Mildew Resistant: Prevents mold growth for a long-lasting, clean appearance.

Standards & Compliance

- ASTM C920, Type S, Grade NS, Class 50
- Uses NT, T, G, A & O
- Federal Specification TT-S-00230-C Type II, Class B
- Conforms to OTC Rule for Sealants and Caulks
- May contribute to LEED V4 EQ Material Resource Credit 4.1 - Adhesives and Sealants
- Meets requirements of California Regs: CARB, BAAQMD and SCAQMD

High Performance Durability

- Does not dry or become brittle
- Water resistant
- Permanent elastomeric bond

Typical Properties

Please contact your DriveDeck Sales Representative before writing specifications around this product. Product properties are as follows:

Property	Typical Value	Units	Test Method
VOCs	21.22	g/L	ASTM C1250
Skinover Time @ 50% R.H. 70° F	10	Min.	ASTM C679
Density	11.61	# / gal	
Hardness	26	Shore A	ASTM D676
Shear Strength	68	psi	ASTM D1002
Peel Strength			
ABS Plastic	17.7		
Acrylic	12.2		
Aluminum	20.0		
Mortar	21.8		
Glass	19.0	pli	ASTM D903
Pine	22.4		
PVC	18.9		
Cold Rolled Steel	18.2		
Kynar	20.3		
Tensile	131	psi	ASTM D412-06
Elongation @ Break	555	%	ASTM D412-06
Chemistry	Hybrid Polymer		
Service Temperature	+/- 50	%	ASTM C920
Viscosity	1,585,000 910,000 301,000	cps @ 1 RPM cps @ 2 RPM cps @ 10 RPM	ASTM D2196-10

D-Seal typical values represent data from multiple batches. Values will be refreshed, as necessary, upon data collection from additional campaigns and long-term variability discernment.

Easy to Install

- **Ready to Use:** Single-component, high-solids formula requires no mixing and applies smoothly.
- **Temperature Range:** Easily gunnable in ambient temperatures between 40°F and 100°F (4°C and 38°C).
- **Damp Surface Tolerant:** Can be safely installed on damp substrates, provided no moisture transfers to the skin when touched.
- **Cure Time:** Cures rapidly to reach optimum design strength within 7 to 14 days, achieving a full cure at 21 days.



Application

For optimal results, ensure all working surfaces are clean and free of dirt, oil, loose paint, frost, or other contaminants. To ensure smooth gunning and easy tooling, maintain D-Seal at room temperature prior to use. Always test and evaluate the substrate first to confirm adequate adhesion. Gun the sealant carefully in a smooth, continuous bead. If tooling is required, complete it within 15 minutes of application.

Concrete

For concrete substrates, remove any residual contamination prior to application using mechanical abrasion, sandblasting, or power washing. On green concrete, ensure all release agents and loose material are completely cleared. Dry any visible or standing water before proceeding. Always install an appropriate backer rod to prevent three-point bonding and ensure optimal joint performance.

Metal

For metal substrates, properly prepare all surfaces to ensure maximum adhesion by removing rust, scale, and residue with a wire brush. Clear away films, oils, or loose coatings using an appropriate solvent like alcohol. For coated substrates, always perform an adhesion test prior to starting a project to confirm suitability and ensure optimal performance.

Wood

For wood substrates, ensure the surface is clean, sound, and dry prior to sealant application. Allow treated wood to weather for at least six months before applying the sealant, and remove all existing coatings or paint to guarantee proper adhesion. Please note that D-Seal is not recommended for use on fire-retardant lumber.

Priming

For priming requirements, D-Seal will not require a primer in most applications. However, certain substrates may require a primer to ensure a long-lasting bond and waterproof seal. It remains the applicator's responsibility to test the substrate and determine whether or not a primer is necessary for their specific application.

Clean-Up

Clean tools and any uncured adhesive with mild solvent such as mineral spirits.

Material Storage & Disposal

Store securely between 60° F - 80° F in unopened container. Shelf life is 12 months from date of manufacture on bottom of tube. Keep tube tightly sealed. Dispose of contents/container in accordance with Local/Regional/National/International Regulations. Refer to Safety Data Sheet (SDS) for further information.

Shelf Life & Storage

The shelf life is 12 months for an unopened container from the date of manufacture. Reference the date of manufacture. YYMMDD ex. 190522 is May 22, 2019.

Colors



White



Gray



Black



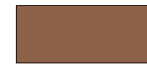
Aluminum Gray



Limestone



Tan



Medium Bronze



Dark Bronze

Packaging

10.1 oz. (300 ml) cartridges - 24 tubes/case, 45 cases/pallet

Warranty

DriveDeck warrants that our products are manufactured to strict quality assurance specifications.

Precautionary Statements

For safety and handling, do not use this product until all instructions and safety precautions have been read and understood. Always wear protective gloves, protective clothing, and eye protection during application. Wash contaminated clothing before reuse, and do not allow contaminated work clothing out of the workplace.

- **If on Skin:** Wash exposed body areas thoroughly with soap and water.
- **If in Eyes:** Rinse cautiously with water, remove contact lenses if present, and continue rinsing.

If exposed or concerned, seek immediate medical advice or attention. Please refer to the Safety Data Sheet (SDS) for complete health and safety information.