

DURO-CAULK® ADVANCED

DESCRIPTION:

Duro-Caulk® Advanced is a moisture-curing, elastomeric joint sealant designed for application in damp or dry conditions, and at temperatures as low as 32° F (0° C).

Duro-Caulk Advanced is solvent-free, will not shrink, will not discolor when exposed to UV light, and will not “outgas” or bubble on damp surfaces. It may be used for adhesion to most materials and has elastomeric properties, and is formulated to bond to substrates such as Duro-Last® PVC membranes, Duro-TECH™ TPO membranes, Kynar®-coated metal, concrete, block, brick, stone, masonry, aluminum, galvanized metal, wood, glass, fiberglass FRP, or EPS foam.

STORAGE AND HANDLING:

Store original, unopened containers in a cool, dry area. Protect unopened containers from water, heat, and direct sunlight.

Duro-Caulk Advanced will not freeze.

Shelf Life:

12-months from the manufacture date when stored at 70° F (21° C) with 50% relative humidity.

High temp and high relative humidity may significantly reduce shelf life.

PRECAUTIONS:

- **KEEP AWAY FROM CHILDREN.**
- Read Safety Data Sheets (SDS) prior to using.
- Wear proper personal protective equipment, per the SDS.

INSTALLATION:

1. General
 - Clean all debris, oil, loose paint, and other contamination.
 - Do not use in areas of repeated water immersion.
 - Do not open until ready for application.
 - Apply using a standard caulking gun.
 - Horizontal applications will require tooling. Tool within 15 minutes of application, if needed.
 - May be applied below freezing temperatures. For easy use: Keep product at 70° F (21° C).
2. Apply using consistent, positive pressure, Bead size: approx. 3/8 inch (10 mm).
3. Tool, if necessary, to create a concave joint shape to shed water and ensure maximum adhesion and coverage.
4. Product will skin within approx. 35 minutes of application.
 - Curing time may vary based on humidity and temps.
5. Product is paintable (latex and/or acrylic-based paints) after 24 hours.

CLEANING:

Wet product should be cleaned by wiping with a clean, dry cloth. If any product remains: use a rag dampened with denatured alcohol to remove the remaining residue. Do not use petroleum solvents such as mineral spirits or xylene.



ORDERING:

Duro-Caulk Advanced can be ordered in individual 10.1-oz (286.3-g) cartridges or in cases of 30.

- Duro-Caulk Advanced – White (Item #11480)
- Approximate coverage: 18 – 20 LF (5.5 – 6.1 Lm) 3/8-inch (9.53-mm) bead.

ENVIRONMENTAL PROFILE:

- LEED 2.2 for New Construction and Major Renovations: Low-Emitting Materials (Section 4.1) 1 Point
- NAHB Model Green Home Building Guidelines: 5 Global Impact points

STANDARDS:

This product conforms to the following requirements and standards:

- ASTM C920, type S, grade NS, class 25, uses NT, T2, M, G, A & O
- Federal specification TT-S-00230-C type II, class B
- Corps of Engineers CRD-C-541, type II, class B
- Canadian Standards Board CAN 19, 13-M82
- SWR (Sealant Waterproofing and Restoration) Institute validated
- AAMA 802.3-08 type II, AAMA 803.3-08 type I, and AAMA 805.2-08 group C

REGULATORY COMPLIANCE:

- Conforms to OTC rule for sealants
- Conforms to USDA requirements for non-food contact

DURO-CAULK ADVANCED PROPERTIES		
Property	Result	Test Method
Moist Surface Peel	≥ 20 lbf (89 N)	–
Paint Adhesion	5B – 3B	ASTM D3359
Viscosity	8,000 – 12,000 poise	–
Sag	0.0 – 0.1 in. (0.0 – 2.5 mm)	ASTM D2202
Tack-Free Time	35 – 55 minutes	ASTM C679
Peel Strength	≥ 20 lbf (89 N)	–
Cold Temp Peel	≥ 10 lbf (44.5 N)	–
VOC Content	< 25 g/L (0.21 lb/gal)	ASTM D2369 EPA method 24 (tested at 240° F (115° C))
California Regulations	Meets standards	CARB, BAAQMD, SCAQMD No Proposition 65 traits