

DURAGLAZE PLUS

Super Adhesion Sealant

PRODUCT DATA SHEET PD1267 - REV.220920



APPLICATIONS



WINDOWS



CONCRETE & MASONRY



DOORS

SEALANTS

PART NUMBERS & PACKAGING:

- F1267 — 10.1 fl. oz. (300 ml) cartridge - 24/carton, 45 cartons/pallet
- F1269 — 20 fl. oz. (600 ml) sausage - 12/carton, 60 cartons/pallet
- F1265 — 1.5 gallon bucket (packaged in a 2 gallon pail) Untinted/Tintable - special order only

DESCRIPTION:

DURAGLAZE PLUS is a premium grade, extremely elastic, high-performance, moisture-cure sealant designed for use in fenestrations, perimeter sealing (windows, doors and panels), metal architecture, curtain wall construction and joints subject to movement. With an extended "tack-free" time in elevated temperatures, **DURAGLAZE PLUS** is an ideal product for any project. **DURAGLAZE PLUS** adheres to "difficult to bond surfaces" and is suitable for use on anodized metal and coatings such as Kynar 500® PVDF. **DURAGLAZE PLUS** has a unique polyether chemistry which eliminates any possibility of out-gassing and protects against "sun tanning" or discoloration when exposed to ultraviolet light.

COLORS:

DURAGLAZE PLUS:

Standard colors: White, Gray and Architectural Dark Bronze. Please refer to chemlink.com for a full list of colors. Special colors are available upon request.

DURAGLAZE TINTABLE BASE:

Please contact customer service for details on industry standard compatible color packs.

REGULATORY COMPLIANCE:

- Conforms to OTC Rule for Sealants
- Meets requirements of California Regs: CARB, BAAQMD and SCAQMD
- This product does not contain cancer causing chemicals listed in California Proposition 65

ADVANTAGES:

- Bonds to Kynar 500® PVDF coated metal
- Solvent-free, 100% solids will not shrink
- Extended tack free time (refer to physical properties table for more information)
- Low-dirt pickup
- No out-gassing on damp surfaces
- Color stability, will not suntan
- Paintable after 24 hours
- +/- 50% joint movement
- Easy to gun and tool, speeding up application
- Thicker consistency designed based on professional installer feedback
- Super adhesion results in long-lasting bond, reducing call backs
- Wide temperature application range
- Weather resistant for long-lasting weathertight seals
- Meets all state and federal VOC regulations
- Made in the USA - ISO 9001:2015 certified processes

BASIC USES:

- Window And Door Frames
- Pre-cast Concrete (without capital)
- Block And Masonry (without capital)
- Curtain Walls
- Expansion Joints
- Storefront Systems
- Weather Sealing
- Cove Joints
- Parapets
- Air Infiltration Sealant



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GREEN STANDARDS:

- EQc2: BPDO – Low emitting Materials: Chemlink adhesives and sealants are low-VOC products exterior applied
- VOC Content: less than 25 grams/liter ASTM D2369 EPA Method 24



APPLICABLE PERFORMANCE STANDARDS:

- ASTM C920, Type S, Grade NS, Class 50, Uses NT, M, G, A & O
- Federal Specification TT-S-00230-C Type II, Class A
- Corps of Engineers CRD-C-541, Type II, Class A
- Canadian Standards Board CAN 19, 13-M82

COMPATIBLE SUBSTRATES:

- Anodized aluminum
- Kynar 500® PVDF Coated Metal,
- Galvanized Metal
- Aluminum
- Brick, Concrete & Stone
- Wood
- Glass
- Fiberglass
- FRP
- Engineered Plastics
- Vinyl Siding
- EPS Foam

*Test and evaluate to ensure adequate adhesion.

JOINT PREPARATION:

Joint surfaces should be clean, dry and free from all contamination including dirt, oils, grease, tar, wax, rust and any other substance that may inhibit the sealant's performance.

JOINT DESIGN:

Install all joint applications per ASTM and SWRI recommendations and guidelines. Joints shall be designed with a depth to width ratio of 1:2 (joint depth one-half the width). To prevent three-point adhesion use a backer rod or bond breaker tape to ensure proper joint movement and a long lasting weatherproof seal. Control the depth of the sealant by using a polyethylene backer rod that is 25% larger than the joint opening at standard temperature. Where the joint configuration will not permit a backer rod, CHEM LINK recommends that an alternative bond breaker be used.

JOINT WIDTH INCHES (MM)	JOINT DEPTH INCHES (MM)
1/4 - 1/2 (6-13)	1/8 - 1/4 (3-6)
1/2 - 3/4 (13-19)	1/4 - 3/8 (6-10)
3/4 - 1 (19-25)	3/8 - 1/2 (10-13)
1 - 2 (25-50)	1/2 (13)

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TINT BASE MIXING:

Pour entire contents of color pack into pail and mix with a low-speed drill and paddle. Mix for 3-5 minutes to achieve a uniform color and consistency. Scrape down sides of pail periodically. Avoid entrapment of air during mixing. After scraping down the sides of the pail, mix again for another minute. The paddle should reach the bottom of the pail between the first and second minute of mixing. Scrape down the sides of the pail a second time and then mix for an additional 2-3 minutes until the sealant is well blended.

APPLICATION INSTRUCTIONS:

Remove all dirt, oil, loose paint, frost and other contamination from all working surfaces with alcohol. DO NOT USE petroleum solvents such as mineral spirits or xylene. Maintain **DURAGLAZE PLUS** at room temperature before applying to ensure easy gunning and tooling. Test and evaluate before use to ensure adequate adhesion. Carefully apply the sealant with a smooth, continuous bead.

CLEAN-UP:

Wet sealant can be removed using a solvent such as alcohol. Cured **DURAGLAZE PLUS** can be removed by abrading or scraping the substrate.

STORAGE & HANDLING:

Store original, unopened containers in a cool, dry area. Protect unopened containers from water, heat and direct sunlight. Elevated temperatures will reduce shelf life. **DURAGLAZE PLUS** will not freeze.

SHELF-LIFE:

Cartridges and sausages have a twelve-month shelf-life from date of manufacture when stored at 70°F / 21°C with 50% relative humidity. High temperature and high relative humidity may significantly reduce shelf life. Pails have a shelf life of six months.

LIMITATIONS:

In areas where prolonged chemical exposure is anticipated, contact Technical Services for recommendations. Allow treated wood to "cure" for six months prior to application per APA guidelines. Do not use in areas subject to continuous immersion. Do not store in elevated temperatures. Remove all coatings and sealers before application. If product is to be painted, test and evaluate before application. Polyurethane and oil-based paints may dry slowly. Please contact customer service for application guidelines with temperatures below 32°F (0°C).

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TECHNICAL INFORMATION & TESTING:

TYPICAL PHYSICAL PROPERTIES/DATA TESTING

PROPERTY	VALUE	TEST METHOD
Rheological Properties	Gun Grade — Type II - Single-component non-sag	ASTM C639
Tack Free Time - Standard DuraGlaze Plus	60-90 min	70°F/50% R.H.
Tack Free Time -Untinted/Tintable	>3 hours	70°F/50% R.H.
Elongation at Break	500%	ASTM D412
Peel Strength	16 lbf (71 N)	ASTM C794
Tensile Strength	200 psi (1.38 MPa)	ASTM D412
Hardness Shore A	38	ASTM C661
Lap Shear Strength	175 psi (1.21 MPa)	ASTM D1002
Low Temp Flex	Pass -15°F (-26°C) 1/4 in mandrel	ASTM D522
Shrinkage	No Visible Shrinkage After 14 Days	-
Service Temp	-40°F to 200°F (-40C to 93°C)	-

All properties described in this document are derived from testing conducted in laboratory conditions. Properties and performance will vary depending on environmental conditions and application technique. Test and evaluate to determine appropriate usage. Visit www.chemlink.com for the Safety Data Sheet, Technical Data Guides, Cold Weather Application Guidelines and full warranty for this product.