

All Public Work Projects are required to use the Louisiana Uniform Public Work Bid Form

All prices must be held firm unless an escalation provision is requested in this bid. Jefferson Parish will allow one escalation during the term of the contract, which may not exceed the U.S. Bureau of Labor Statistics National Index for all Urban Consumers, unadjusted 12 month figure. The most recently published figure issued at the time an adjustment is requested will be used. A request must be made in writing by the vendor, and the escalation will only be applied to purchases made after the request is made.

Are you requesting an escalation provision?

YES _____ NO X

MAXIMUM ESCALATION PERCENTAGE REQUESTED N/A %

INITIAL BID PRICES WILL REMAIN FIRM THROUGH THE DATE OF 7/5/22

For the purposes of comparison of bids when an escalation provision is requested, Jefferson Parish will apply the maximum escalation percentage quoted by the bidder to the period to which it is applied in the bid. The initial price and the escalation will be used to calculate the total bid price. It will be assumed, for comparison of prices only, that an equal amount of material or labor is purchased each month throughout the entire contract.

DELIVERY: FOB JEFFERSON PARISH

INDICATE DELIVERY DATE ON EQUIPMENT AND SUPPLIES

10 days

LOUISIANA CONTRACTOR'S LICENSE NO.: (if applicable)

18364

THIS SECTION MUST BE COMPLETED BY BIDDER:

FIRM NAME: Advance Waterproofing Co., Inc

ADDRESS: 710 Milton Street

CITY, STATE: Gretna, LA ZIP: 70053

TELEPHONE: (504) 362-1843 FAX: (504) 365-0055

EMAIL ADDRESS: advancewaterproofingco@gmail.com

In the event that addenda are issued with this bid, bidders MUST acknowledge all addenda on the bid form. Bidder must acknowledge receipt of an addendum on the bid form by placing the addendum number as indicated. Failure to acknowledge any addendum on the bid form will result in bid rejection.

Acknowledge Receipt of Addenda: NUMBER: Addendum #1
NUMBER: _____
NUMBER: _____
NUMBER: _____

TOTAL PRICE OF ALL BID ITEMS: \$ 293,500.00

AUTHORIZED SIGNATURE: [Signature] Pres

Greg Kampton
Printed Name

TITLE: President

SIGNING INDICATES YOU HAVE READ AND COMPLY WITH THE INSTRUCTIONS AND CONDITIONS.

NOTE: All bids should be returned with the BID NUMBER and BID OPENING DATE indicated on the outside of the envelope submitted to the Purchasing Department.

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00137842

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
1	1.00	JOB	<p>LABOR, MATERIALS, & EQUIPMENT NECESSARY TO CLEAN, PRESSURE WASH, WATERPROOF, WET GLAZE & INTERIOR & EXTERIOR OF ALL WINDOWS AT THE THOMAS F DONELON 24TH JUDICIAL COURTHOUSE FOR GENERAL SERVICES</p> <p>0010 - PROVIDE ALL LABOR, MATERIALS, DELIVERY, EQUIPMENT, AND ALL OTHER INCIDENTALS NECESSARY TO PRESSURE WASH, CLEAN, SEAL/CAULK/WATERPROOF, WET-GLAZE, AND CLEAN INTERIOR AND EXTERIOR OF ALL WINDOWS OF THE THOMAS F. DONELON BLDG. LOCATED AT 200 DERBIGNY STREET, GRETNA, LA 70053 PER THE ATTACHED SPECIFICATIONS</p> <p>NEEDED TO CLEAN AND WATERPROOF THE BUILDING TO PREVENT FUTURE LEAKS.</p>	<p>\$293,500</p>	<p>\$293,500</p>

THE STANDARD IN ELECTRONIC SURETY

Bid Bond in Accordance with Contract Specifications

SLA04279066

Advance Waterproofing Co., Inc.

Bond Number

Principal Name

*Advance Waterproofing
Greg & Keny A Pres*

PO Box 1188, Gretna, LA, 70054, US

Principal Address

Principal Signature

Jefferson Parish

200 Derbigny Street, Gretna, LA, 70053, US

Owner/Obligee Name

Owner/Obligee Address

Bond Information

05-05-2022

Merchants National Bonding, Inc.

22269

Bid Date

Surety

Contractor Vendor ID Number

50-00137842

Contract ID Number

Labor, Materials, and all Equipment Necessary to Clean, Pressure Wash, Waterproof, Wet-Glaze and Clean Interior and Exterior of all Windows at the Thomas F. Donelon - 24th Judicial Courthouse Building for Jefferson Parish General Services

Description of Job

5% of Amount Bid

5

Amount of Bid Security

Bid Security Maximum

Bid Security Percentage

Meghann C Turner

Attorney-in-Fact

Surety Bond Brokers of LA Inc.

Bond Entered and Executed By

Primary Agency

Meghann Turner

Attorney-In-Fact Signature

Know all men by these presents that Merchants National Bonding, Inc., a Corporation duly organized under the laws of the State of IA, are held and firmly bound unto the above owner/obligee by the transmission. The surety agrees to waive the statute of Fraud defense and further agrees that the owner/obligee is a third party beneficiary of the waiver for the purposes of enforcing this bid bond.



Non-Public Works Bid

AFFIDAVIT

STATE OF Louisiana

PARISH/COUNTY OF Jefferson

BEFORE ME, the undersigned authority, personally came and appeared: Greg Kempton
_____, (Affiant) who after being by me duly sworn, deposed and said that
he/she is the fully authorized President of Advance Waterproofing Co., Inc (Entity),
the party who submitted a bid in response to Bid Number 50-137842, to the Parish of
Jefferson.

Affiant further said:

Campaign Contribution Disclosures

(Choose A or B, if option A is indicated please include the required attachment):

Choice A _____ Attached hereto is a list of all campaign contributions, including the date and amount of each contribution, made to current or former elected officials of the Parish of Jefferson by Entity, Affiant, and/or officers, directors and owners, including employees, owning 25% or more of the Entity during the two-year period immediately preceding the date of this affidavit or the current term of the elected official, whichever is greater. Further, Entity, Affiant, and/or Entity Owners have not made any contributions to or in support of current or former members of the Jefferson Parish Council or the Jefferson Parish President through or in the name of another person or legal entity, either directly or indirectly.

Choice B there are **NO** campaign contributions made which would require disclosure under Choice A of this section.

Debt Disclosures

(Choose A or B, if option A is indicated please include the required attachment):

Choice A Attached hereto is a list of all debts owed by the affiant to any elected or appointed official of the Parish of Jefferson, and any and all debts owed by any elected or appointed official of the Parish to the Affiant.

Choice B There are **NO** debts which would require disclosure under Choice A of this section.

Affiant further said:

That Affiant has employed no person, corporation, firm, association, or other organization, either directly or indirectly, to secure the public contract under which he received payment, other than persons regularly employed by the Affiant whose services in connection with the construction, alteration or demolition of the public building or project or in securing the public contract were in the regular course of their duties for Affiant; and

[The remainder of this page is intentionally left blank.]

That no part of the contract price received by Affiant was paid or will be paid to any person, corporation, firm, association, or other organization for soliciting the contract, other than the payment of their normal compensation to persons regularly employed by the Affiant whose services in connection with the construction, alteration or demolition of the public building or project were in the regular course of their duties for Affiant.

Greg Kempton
Signature of Affiant

Greg Kempton
Printed Name of Affiant

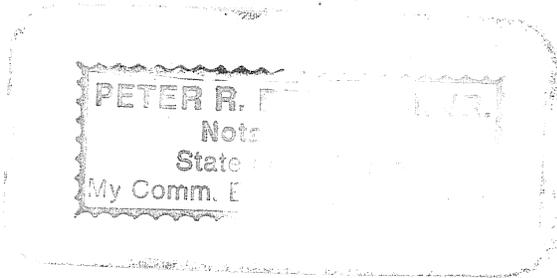
SWORN AND SUBSCRIBED TO BEFORE ME

ON THE 27 DAY OF April, 2022

[Signature]
Notary Public

Peter Bragard
Printed Name of Notary

55414
Notary/Bar Roll Number



My commission expires on death

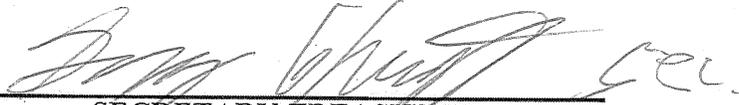
CORPORATE RESOLUTION

EXCERPT FROM MINUTES OF MEETING OF THE BOARD OF DIRECTORS OF
Advance Waterproofing Co., Inc.
INCORPORATED.

AT THE MEETING OF DIRECTORS OF Advance Waterproofing Co., Inc
INCORPORATED, DULY NOTICED AND HELD ON 5/4/2022,
A QUORUM BEING THERE PRESENT, ON MOTION DULY MADE AND SECONDED. IT
WAS:

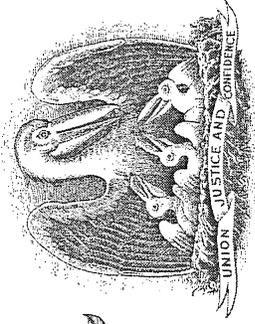
RESOLVED THAT Greg Kempton, BE AND IS HEREBY
APPOINTED, CONSTITUTED AND DESIGNATED AS AGENT AND ATTORNEY-IN-
FACT OF THE CORPORATION WITH FULL POWER AND AUTHORITY TO ACT ON
BEHALF OF THIS CORPORATION IN ALL NEGOTIATIONS, BIDDING, CONCERNS
AND TRANSACTIONS WITH THE PARISH OF JEFFERSON OR ANY OF ITS AGENCIES,
DEPARTMENTS, EMPLOYEES OR AGENTS, INCLUDING BUT NOT LIMITED TO, THE
EXECUTION OF ALL BIDS, PAPERS, DOCUMENTS, AFFIDAVITS, BONDS, SURETIES,
CONTRACTS AND ACTS AND TO RECEIVE ALL PURCHASE ORDERS AND NOTICES
ISSUED PURSUANT TO THE PROVISIONS OF ANY SUCH BID OR CONTRACT, THIS
CORPORATION HEREBY RATIFYING, APPROVING, CONFIRMING, AND ACCEPTING
EACH AND EVERY SUCH ACT PERFORMED BY SAID AGENT AND ATTORNEY-IN-
FACT.

I HEREBY CERTIFY THE FOREGOING TO BE
A TRUE AND CORRECT COPY OF AN
EXCERPT OF THE MINUTES OF THE ABOVE
DATED MEETING OF THE BOARD OF
DIRECTORS OF SAID CORPORATION, AND
THE SAME HAS NOT BEEN REVOKED OR
RESCINDED.


SECRETARY-TREASURER

5/4/22
DATE

State of Louisiana

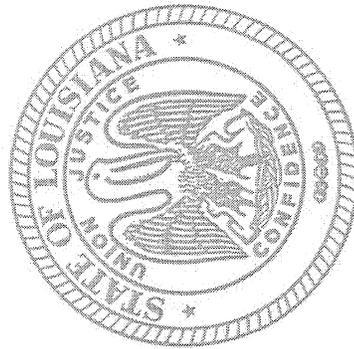


State Licensing Board for Contractors

This is to Certify that:
ADVANCE WATERPROOFING CO., INC.
P. O. Box 1188
Gretna, LA 70054

is duly licensed and entitled to practice the following classifications

BUILDING CONSTRUCTION; SPECIALTY: ROOFING AND SHEET METAL, SIDING; SPECIALTY:
WATERPROOFING, COATING, SEALING, CONCRETE/MASONRY REPAIR



Expiration Date: April 10, 2023

License No: 18364

Witness our hand and seal of the Board dated,
Baton Rouge, LA 11th day of April 2022

Will S. Moore
Director

Lee Madgett
Chairman

Andy Ramsey
Treasurer

This License Is Not Transferrable

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Terrebonne Insurance Agency, Inc. 210 Mystic Blvd Houma LA 70360	CONTACT NAME: Allison Lovell
	PHONE (A/C, No, Ext): (985) 851-3080 FAX (A/C, No): (985) 851-0304
	E-MAIL ADDRESS: allison@terrebonneinsurance.com
	INSURER(S) AFFORDING COVERAGE
	INSURER A: Kinsale Insurance Company
	INSURER B: LWCC
	INSURER C:
	INSURER D:
	INSURER E:
	INSURER F:
INSURED Advance Waterproofing, Inc. P.O. Box 1188 Gretna LA 70054	NAIC #

COVERAGES CERTIFICATE NUMBER: 2022-02 REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:			01000817253	2/28/2022	2/28/2023	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 100,000 MED EXP (Any one person) \$ Excluded PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000
	AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> NON-OWNED AUTOS						COMBINED SINGLE LIMIT (Ea accident) \$ BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
A	<input type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED RETENTION \$			01000817283	2/28/2022	2/28/2023	EACH OCCURRENCE \$ 2,000,000 AGGREGATE \$ 2,000,000
B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N	N/A	155108	3/1/2022	3/1/2023	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
 Waterproofing *See attached addendum to this certificate for coverage extensions

Certificate Holder includes Jefferson Parish, its Districts, Departments and Agencies under the direction of the Parish President and the Parish Council

CERTIFICATE HOLDER bbellow@jeffparish.net Jefferson Parish General Government Build 200 Derbigny St. Gretna, LA 70053	CANCELLATION SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE Allison Lovell/ALLISN <i>Allison Lovell</i>
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GENERAL LIABILITY POLICY INCLUDES, BUT NOT LIMITED TO:

- Blanket Additional Insured as required by written contract
- Blanket Waiver of Subrogation as required by written contract
- Primary and Non-Contributory as required by written contract
- Per Project Aggregate as required by written contract

EXCESS LIABILITY POLICY INCLUDES, BUT NOT LIMITED TO:

- Excess over the underlying General Liability policy

WORKERS COMPENSATION POLICY INCLUDES, BUT NOT LIMITED TO:

- Blanket Waiver of Subrogation as required by written contract

All policies provide 30-day Notice of Cancellation to the Named Insured, except 10-days for non-payment of premium.



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

04/12/2022

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER State Farm STATE FARM INSURANCE CO 1750 STUMPF BLVD GRETNA, LA 70056	CONTACT NAME: CLIFF ROBICHEAUX PHONE (A/C No. Ext): 504-263-1959 E-MAIL ADDRESS: FAX (A/C No.): 504-263-1875													
	<table border="1"> <tr> <th>INSURER(S) AFFORDING COVERAGE</th> <th>NAIC #</th> </tr> <tr> <td>INSURER A : State Farm Fire and Casualty Company</td> <td>25143</td> </tr> <tr> <td>INSURER B :</td> <td></td> </tr> <tr> <td>INSURER C :</td> <td></td> </tr> <tr> <td>INSURER D :</td> <td></td> </tr> <tr> <td>INSURER E :</td> <td></td> </tr> <tr> <td>INSURER F :</td> <td></td> </tr> </table>	INSURER(S) AFFORDING COVERAGE	NAIC #	INSURER A : State Farm Fire and Casualty Company	25143	INSURER B :		INSURER C :		INSURER D :		INSURER E :		INSURER F :
INSURER(S) AFFORDING COVERAGE	NAIC #													
INSURER A : State Farm Fire and Casualty Company	25143													
INSURER B :														
INSURER C :														
INSURER D :														
INSURER E :														
INSURER F :														
INSURED ADVANCE WATERPROOFING CO, INC PO BOX 1188 GRETNA, LA 70054-1188														

COVERAGES **CERTIFICATE NUMBER:** **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL SUBR INSD WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
	COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:					EACH OCCURRENCE \$ DAMAGE TO RENTED PREMISES (Ea occurrence) \$ MED EXP (Any one person) \$ PERSONAL & ADV INJURY \$ GENERAL AGGREGATE \$ PRODUCTS - COMP/OP AGG \$ \$
A	AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input checked="" type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> NON-OWNED AUTOS ONLY <input type="checkbox"/> AUTOS ONLY	Y Y	199 3727 D30 18 E	10/30/2021 04/30/2022	04/30/2022 10/30/2022	COMBINED SINGLE LIMIT (Ea accident) \$ BODILY INJURY (Per person) \$ 1,000,000 BODILY INJURY (Per accident) \$ 1,000,000 PROPERTY DAMAGE (Per accident) \$ 1,000,000 \$
	UMBRELLA LIAB <input type="checkbox"/> OCCUR EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED RETENTION \$					EACH OCCURRENCE \$ AGGREGATE \$ \$
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N N/A				PER STATUTE OTH-ER E.L. EACH ACCIDENT \$ E.L. DISEASE - EA EMPLOYEE \$ E.L. DISEASE - POLICY LIMIT \$

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

CERTIFICATE HOLDER **CANCELLATION**

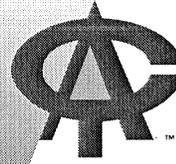
JEFFERSON PARISH GENERAL GOVERNMENT BUILDING 200 DERBIGNY STREET GRETNA, LA 70053	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE
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SIL-ACT™ Product Data

ATS-22

Alkyltrialkoxysilane



ADVANCED
CHEMICAL
TECHNOLOGIES, Inc.

"Protecting the World's Infrastructure"

HIGH PERFORMANCE

SIL-ACT™ ATS-22 is a clear, penetrating silane treatment which causes concrete, masonry and many natural stones to become repellent to water, chloride, waterborne contaminants and weathering elements, preventing the premature deterioration of parking decks, bridge decks, pavements and other types of concrete and masonry structures. Performance testing makes SIL-ACT™ ATS-22 an excellent choice for any project requiring the highest quality clear water repellent.

DURABLE

SIL-ACT™ ATS-22 can be applied to the surface by low-pressure spray, brush, roller or squeegee.

SIL-ACT™ ATS-22 can be stored on the jobsite at temperature extremes, avoiding the deterioration problems associated with emulsified or waterborne products.

SIL-ACT™ ATS-22 chemically bonds with the substrate forming a penetrated layer below the surface that acts as a one-way filter. Water, chloride and other waterborne contaminants are repelled without restricting the substrates natural vapor permeability.

FLEXIBLE

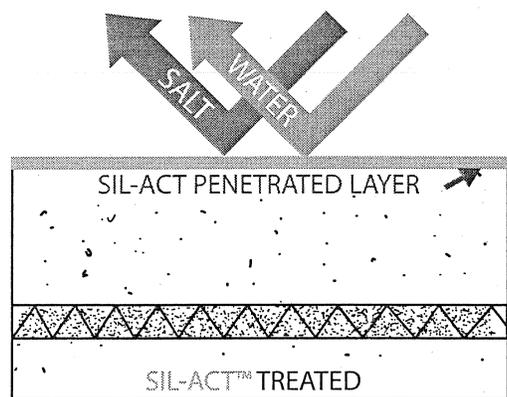
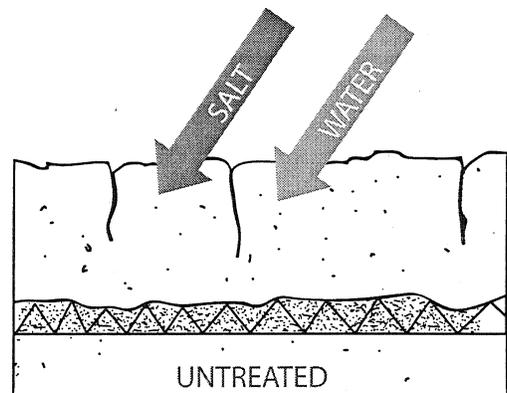
SIL-ACT™ ATS-22 is an effective treatment for brick, masonry, cementitious mortars, stucco, many natural stones and cast-in-place, precast, prestressed and architectural concretes.

Structures that can be treated include:

- Parking decks
- Bridges
- Commercial buildings
- Airport pavements
- Highways
- Cooling towers
- Stadiums
- Other horizontal and vertical structures

STOPS
WATER
CHLORIDE
WATERBORNE
CONTAMINANTS

PERFORMANCE TESTED!



SIL-ACT™'s penetrated silane treatment layer stops water and salt intrusion into concrete, brick, masonry and many types of stone without affecting natural vapor permeability.

TECHNICAL DATA

PROPERTY	TEST	ATS-22
Active Ingredient		Alkyltrialkoxysilane
Specific Gravity	Method 24, ASTM D-5095	0.81
Density		6.76 lb/gal
Solids Content		>20% by weight
VOC Content		<600 g/L
Drying time at 70°F		½ hour
Moisture Absorption Resistance	ASTM C-642-82	0.3% 48 hours 0.9% 50 days
Moisture Vapor Permeability	OHD L-35	100%
Depth of Penetration	OHD L-34 / NCHRP 244 Series II	0.30 in, 7.5 mm
Waterproofing	Alberta Transp. & Utilities (1a)	85.6%
Waterproofing after Abrasion	Alberta Transp. & Utilities (1a)	82.7%
Alkali Resistance	Alberta Transp. & Utilities (1a)	76.1%
Reduction in Water Weight Gain	NCHRP 244 Series II	88.0%
Reduction in Absorbed Chloride	NCHRP 244 Series II	82%
	NCHRP 244 Series IV	99%
Moisture Vapor Permeability	NCHRP 244 Series II	100%
Freeze-Thaw Scaling Resistance	ASTM C-672-84	0 at 50 cycles
Resistance of Chloride on Penetration (0.5" depth)	AASHTO T-259/T-260	< 0.2 lb / yd ³
Resistance of Chloride on Penetration (1.0" depth)		< 0.0 lb / yd ³

INSTRUCTIONS

1. Test a small area prior to general application to ensure compatibility, desired results and coverage rates.
2. Treatment is most effective when the surface to be treated is clean and dry. Remove dirt, dust, oil, grease, curing compounds, coatings and other surface contaminants. Water blasting, sandblasting or shotblasting may be required.
3. Please refer to Advanced Chemical Technology's CleanACT line of concrete and masonry detergents and cleaners.
4. Do not proceed unless surface and air temperature is between 40°F and 110°F. Do not apply if frost, ice, or standing water are visible on the surface to be treated.
5. Windows, metals, etc. are not affected by SIL-ACT™. However avoid unnecessary overspray. If necessary, clean overspray areas with a clean dry cloth, soap and water or alcohol. Protect plants and vegetation from overspray. Prior to SIL-ACT™ installation check for preexisting contamination.
6. Spray, brush or roll SIL-ACT™ ATS-22 treatment on surface to be treated at the recommended application rate. See equipment section of this catalog or contact your Advanced Chemical Technologies rep for spray equipment options.
7. Apply to saturation. When spraying at low pressure, if necessary follow with broom or squeegee for even distribution.
8. Normal coverage rate is approximately 125 to 250 square feet per gallon.
9. Clean equipment with SIL-ACT™ Equipment Cleaner .
10. Partially used containers should be properly sealed and protected from contamination by water or other foreign substances.

WARRANTY

Limited warranties are available for all SIL-ACT™ products. Contact ACT or your local SIL-ACT™ representative for details.

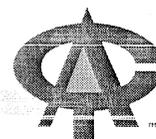
SIL-ACT™ ATS-22 is covered by several patents including U.S. 4,931,319

NOTICE: This brochure was prepared as an introduction to a product manufactured by Advanced Chemical Technologies, Inc. The information provided herein is based upon typical installation conditions and is believed to be reliable. However, due to the wide variety of possible intervening factors, Advanced Chemical Technologies, Inc. does not warrant the expected results to be obtained. Details concerning product specifications and warranty may be obtained from Advanced Chemical Technologies, Inc. Specifications are subject to change. Sale of subject system is limited to Advanced Chemical Technologies, Inc. and authorized applicator's conditions of sale including those limiting warranties and remedies.

ADVANCED CHEMICAL TECHNOLOGIES, INC.

"Protecting the World's Infrastructure"

Technical Binder 2010





The Chemical Company

Technical Data Guide

9 | 09 97 23
Elastomeric
Coatings

MasterProtect® EL 750

Water-based, 100% acrylic, elastomeric, waterproof coating

FORMERLY THOROLASTIC®

PACKAGING

5 gallon (18.9 L) pails

YIELD

See chart on page 2

STORAGE

Store in unopened containers in a clean, dry area. Keep from freezing.

SHELF LIFE

18 months when properly stored

VOC CONTENT

Less than 100 g/L
less water and exempt solvents.

DESCRIPTION

MasterProtect EL 750 is a water-based, high-build, elastomeric, 100% acrylic waterproof coating for above-grade concrete, masonry, stucco and EIFS.

PRODUCT HIGHLIGHTS

- Available in a broad range of colors and textures for design versatility
- Resists wind-driven rain, helps prevent water penetration into the substrate
- Breathable to allow water vapor to escape
- High elongation and recovery for durable performance over dynamic cracks.
- Excellent adhesion, bonds securely to substrate for long-term durability
- UV resistance provides excellent color retention for a long lasting attractive finish
- Excellent hiding power
- Textured formulations help improve aesthetics of irregular substrates
- Effective carbon dioxide diffusion barrier, protects embedded steel from corrosion
- Low VOC content for broad compliance across all regions
- Flexibility at very low temperatures makes it suitable for all climates
- Resistant to dirt pickup
- Also available in algae resistant (AA) formula for versatility
- Master Painters Institute (MPI) approved

APPLICATIONS

- Exterior
- Vertical surfaces
- Above grade
- Protecting and waterproofing

SUBSTRATES

- Concrete
- Masonry
- Cement Plaster
- Stucco
- EIFS
- Over Existing Coatings

HOW TO APPLY

SURFACE PREPARATION

1. Surfaces should be clean and sound and free of all bond-inhibiting contaminants.
2. Concrete substrates should be fully cured.
3. Repair any holes, spalled and damaged concrete with appropriate Master Builders Solutions repair materials. Allow appropriate cure time prior to coating.
4. Remove any protruding concrete accessories and smooth out any surface irregularities.
5. High-pressure power wash surface (or abrasive blast on hard, dense surfaces) to create a profile of SP 3, per ICRI Guide 310.2.
6. Some stains may require chemical removal. Neutralize any cleaning compounds used and rinse with clean water.
7. Check adhesion of old coatings according to ASTM D 3359, Measuring Adhesion by Tape Test Method A.
8. Remove any blisters or delaminated areas and sand edges to smooth rough areas and provide transition to old paint areas.

Technical Data

Composition

MasterProtect EL 750 contains water, acrylic emulsion, fillers and other proprietary ingredients.

Test Data

MASTERPROTECT EL 750 SMOOTH

PROPERTY	RESULTS	TEST METHOD
Density, lbs/gal (kg/L)	11.2–12.2 (1.34–1.46)	ASTM D 1475
Solids*, %		ASTM D 5201
By weight	64.2	
By volume	50	
Viscosity, KU	127–135	ASTM D 562 (Stormer)

*Value for white

MASTERPROTECT EL 750 FINE

PROPERTY	RESULTS	TEST METHOD
Density, lbs/gal (kg/L)	10.2–11.2 (1.22–1.34)	ASTM D 1475
Solids, %		ASTM D 5201
By weight	65.5	
By volume	56	
Viscosity, KU	127–135	ASTM D 562 (Stormer)

MASTERPROTECT EL 750 COARSE

PROPERTY	RESULTS	TEST METHOD
Density, lbs/gal (kg/L)	9.9–10.9 (1.19–1.31)	ASTM D 1475
Solids, %		ASTM D 5201
By weight	64.5	
By volume	58	
Viscosity, KU	127–135	ASTM D 562 (Stormer)

MASTERPROTECT EL 750 COARSE

PROPERTY	RESULTS	TEST METHOD
Ultimate elongation, %	344	ASTM D 412
Elongation recovery, %		ASTM D 412
After 10 minutes	96.9	
After 24 hours	98.4	
Ultimate tensile strength, psi (MPa)	220 (1.5)	ASTM D 412
Crack bridging, mils (mm)		PR EN 1062-7
-77° F (-60° C)	12 (0.3)	
32° F (0° C)	19.5 (0.5)	
73° F (23° C)	27.5 (0.7)	
Flexibility, in (mm) mandrel, at -30° F (-34° C)	¼ (3)	ASTM D 522
Pull-off strength adhesion, psi (MPa)	210 (1.4)	ASTM D 4541
Wind-driven rain	Passes	TT-C-555B
Water-vapor permeance, perms	10	ASTM D 1653

Test Data

MASTERPROTECT EL 750 SMOOTH APPLIED AT 16 MILS DFT

PROPERTY	RESULTS	TEST METHOD
Carbon-dioxide diffusion		PR EN 1062-6
R (equivalent air layer thickness), ft (m)	263 (80)	
Sc (equivalent concrete thickness), in (cm)	8 (20)	
Accelerated weathering, 5,000 hrs	Passes	ASTM G 23, Type D
Visual color change, 5,000 hrs	Passes	ASTM D 1729
Chalking, 5,000 hrs	Passes	ASTM D 4214
Freeze/thaw resistance, 60 cycles	Passes	ASTM C 67
Salt spray resistance, 300 hrs	Passes	ASTM B 117
Dirt pick-up, % after 6 months exposure	94 .33	ASTM D 3719
Mildew resistance	No growth	ASTM D 3273 / 3274

Test results are averages obtained under laboratory conditions. Reasonable variations can be expected.

Theoretical Film Thicknesses*

COVERAGE RATE FT ² /GAL (M ² /L)	SMOOTH		FINE		COARSE	
	WET MILS (MM)	DRY MILS (MM)	WET MILS (MM)	DRY MILS (MM)	WET MILS (MM)	DRY MILS (MM)
50 (4.6)	32 (0.813)	16 (0.406)	32 (0.813)	18 (0.457)	32 (0.813)	19 (0.483)
80 (7.4)	20 (0.508)	10 (0.254)	20 (0.508)	11 (0.279)	20 (0.508)	12 (0.305)
100 (9.3)	16 (0.406)	8 (0.203)	16 (0.406)	9 (0.229)	16 (0.406)	9 (0.229)

Actual DFT to achieve the stated performance properties is 16 mils (0.406 mm).

*Coverages are estimates for smooth, dense concrete. Coverages will vary on porous or textured surfaces.

- Treat cracks greater than 1/32" with MasterProtect FL 746 or MasterProtect FL 748. Treat cracks larger than 1/4" as expansion joints and fill with appropriate Master Builders Solutions sealant.
- New CMU must have a base coat of MasterProtect FL 749.

MIXING

- Prior to use, mix MasterProtect EL 750 at slow speed with drill and mixing paddle to ensure uniform color and texture, and to minimize air entrapment.
- In multi-pail applications, mix the contents of each new pail into the partially used previous pail to ensure color consistency and smooth transitions from pail to pail.

APPLICATION

- MasterProtect EL 750 is meant to be applied as a two-coat system, achieving a total dry-film thickness (DFT) of 16–20 mils (0.4–0.5 mm).
- Apply MasterProtect EL 750 by brush, spray, roller, or spray-and-backroll.
- Maintain proper uniform wet-film thickness (WFT) during application to ensure the performance characteristics desired (see yield rates section).
- Always work to a natural break and maintain a wet edge during application.
- For uniformity of color and texture, application techniques must be consistent throughout the project.

ROLLER

- Use a quality 3/4–1 1/4" nap roller cover.
- Completely saturate the roller and keep it loaded with the coating to build the required mils. Never dry roll.
- Cross roll, maintaining a wet edge, to achieve uniform thickness. Backroll in one direction for consistent appearance.

SPRAY

- Equipment is available for spraying all grades of MasterProtect EL 750. For fine and coarse textures, it is necessary to use a heavy-duty sprayer designed for the application of coatings that contain sand particles. Contact equipment manufacturer for further recommendations.

2. For smooth and fine grades, backrolling in one direction after spray application is recommended to achieve uniform texture and film thickness.

BRUSH

1. Application by brush is recommended only for small inaccessible areas, e.g., on touch-ups.
2. Use only a nylon brush.

DRYING TIME

Times assume 70° F (21° C) and 50% relative humidity.

To touch: 6 hours

To recoat: minimum of 12 hours

Lower surface or air temperatures and higher relative humidity will extend the drying time.

MasterProtect EL 750 requires ultraviolet (UV) light to cure.

CLEAN UP

Clean all tools and equipment immediately with water. Cured material may be removed by mechanical means.

FOR BEST PERFORMANCE

- Do not apply when substrate or ambient temperature is 40° F (4° C) or below or is expected to fall below 40° F (4° C) within 24 hours after application.
- Do not apply if rain is expected within 24 hours of application.
- Do not use on interior applications, undersides of balconies, soffits, below-grade applications or for immersion service.
- Do not use where there may be hydrostatic water transfer from the backside of the substrate.
- Do not apply to improperly sealed substrates that are subject to rising dampness or migrating moisture.
- Not intended for use as a horizontal traffic-bearing coating.
- Elongation and crack-bridging abilities are reduced with textured grades.
- Application of nonelastomeric topcoats could reduce the performance properties of MasterProtect EL 750.

- Apply a 4 by 4 ft (1.2 by 1.2 m) test area to verify acceptable color, texture and adhesion before proceeding with any project. The test method for measuring adhesion is ASTM D 3359, Measuring Adhesion by Tape Method A. On the 0–5 scale, a minimum adhesion rating of 4A is required.
- Color formulas containing organic colorants are susceptible to fading in exterior applications. Refer to Technical Support for guidance.
- Do not thin the material.
- For professional use only; not for sale to or use by the general public.
- Make certain the most current versions of product data sheet and SDS are being used; visit www.master-builders-solutions.BASF.us to verify the most current versions.
- Proper application is the responsibility of the user. Field visits by BASF personnel are for the purpose of making technical recommendations only and not for supervising or providing quality control on the jobsite.

HEALTH, SAFETY AND ENVIRONMENTAL

Read, understand and follow all Safety Data Sheets and product label information for this product prior to use. The SDS can be obtained by visiting www.master-builders-solutions.basf.us, e-mailing your request to basfbcsst@basf.com or calling 1(800)433-9517. Use only as directed.

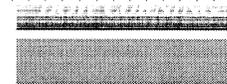
For medical emergencies only, call ChemTrec® 1(800) 424-9300.

LIMITED WARRANTY NOTICE

BASF warrants this product to be free from manufacturing defects and to meet the technical properties on the current Technical Data Guide, if used as directed within shelf life. Satisfactory results depend not only on quality products but also upon many factors beyond our control. BASF MAKES NO OTHER WARRANTY OR GUARANTEE, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE WITH RESPECT TO ITS PRODUCTS. The sole and exclusive remedy of Purchaser for any claim concerning this product, including but not limited to, claims alleging breach of warranty, negligence, strict liability or otherwise, is the replacement of product or refund of the purchase price, at the sole option of BASF. Any claims concerning this product must be received in writing within one (1) year from the date of shipment and any claims not presented within that period are waived by Purchaser. BASF WILL NOT BE RESPONSIBLE FOR ANY SPECIAL, INCIDENTAL, CONSEQUENTIAL (INCLUDING LOST PROFITS) OR PUNITIVE DAMAGES OF ANY KIND.

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Silicone Sealants



Dow Corning® 795 Silicone Building Sealant

FEATURES & BENEFITS

- Suitable for most new construction and remedial sealing applications
- Versatile – high performance structural glazing and weather sealing from a single product
- Available in 13 standard colors; custom colors also available
- Excellent weatherability – virtually unaffected by sunlight, rain, snow, ozone and temperature extremes of -40°F (-40°C) to 300°F (149°C)
- Excellent unprimed adhesion to a wide variety of construction materials and building components, including anodized, alodined, most coated and many Kynar®¹-painted aluminums²
- Ease of application – ready to use as supplied
- Ease of use – all-temperature gunnability, easy tooling and low-odor cure byproduct
- Meets global standards (Americas, Asia and Europe)

COMPOSITION

- One-part, neutral-cure, RTV silicone sealant

Neutral, one-part silicone sealant

APPLICATIONS

- Structural and nonstructural glazing
- Structural attachment of many panel systems
- Panel stiffener applications
- Weather sealing of most common construction materials including glass, aluminum, steel, painted metal, EIFS, granite and other stone, concrete, brick and plastics

TYPICAL PROPERTIES

Specification Writers: These values are not intended for use in preparing specifications. Please contact your local Dow Corning sales office or your Global Dow Corning Connection before writing specifications on this product.

Test	Property	Unit	Result
As Supplied			
ASTM C 679	Tack-Free Time, 50% RH	hours	3
	Curing Time at 25°C (77°F) and 50% RH	days	7-14
	Full Adhesion	days	14-21
ASTM C 639	Flow, Sag or Slump	Inches (mm)	0.1 (2.54)
	Working Time	minutes	20-30
	VOC Content ¹	g/L	28
As Cured-After 21 days at 25°C (77°F) and 50% RH			
ASTM D 2240	Durometer Hardness, Shore A	points	35
ASTM C 794	Peel Strength	lb/in (kg/cm)	32 (5.7)
ASTM C 1135	Tension Adhesion Strength		
	At 25% extension	psi (MPa)	45 (0.310)
	At 50% extension	psi (MPa)	60 (0.414)
ASTM C 719	Joint Movement Capability	percent	±50
ASTM C 1248	Staining (granite, marble, limestone, brick and concrete)		None
As Cured-After 21 days at 25°C (77°F) and 50% RH followed by 10,000 hours in a QUV weatherometer, ASTM G 53			
ASTM C 1135	Tensile Adhesion Strength		
	At 25% extension	psi (MPa)	35 (0.241)
	At 50% extension	psi (MPa)	50 (0.345)

¹Kynar is a trademark of Atofina Chemicals Inc.

²Contact your local Dow Corning Sales Application Engineer for specifics.

¹Based on South Coast Air Quality Management District of California. Maximum VOC is listed both inclusive and exclusive of water and exempt compounds. For a VOC data sheet for a specific sealant color, please send your request to product.inquiry@dowcorning.com.

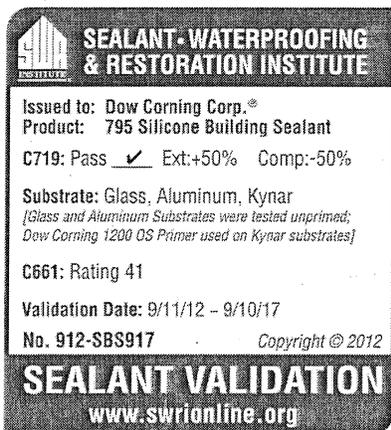
DESCRIPTION

Dow Corning[®] 795 Silicone Building Sealant is a one-part, neutral-cure, architectural-grade sealant that easily extrudes in any weather and cures quickly at room temperature. This cold-applied, non-sagging silicone material cures to a medium- modulus silicone rubber upon exposure to atmospheric moisture. The cured sealant is durable and flexible enough to accommodate ± 50 percent movement of original joint dimension when installed in a properly designed weather seal joint. In a properly designed structurally glazed joint, the sealant is strong enough to support glass and other panel materials under high wind load.

APPROVALS/ SPECIFICATIONS

Dow Corning 795 Silicone Building Sealant meets the requirements of:

- Federal Specification TT-S 001 543A (COM-NBS) Class A for silicone building sealants
- Federal Specification TT-S-00230C (COM-NBS) Class A for one- component building sealants
- ASTM Specification C 920 Type S, Grade NS, Class 50, Use NT, G, A and O
- ASTM Specification C 1184 for structural silicone sealants
- Canadian Specification CAN2-19.13- M82



COLORS

Dow Corning 795 Silicone Building Sealant is available in 13 colors: white, limestone, champagne, natural stone, gray, black, bronze, sandstone, adobe tan, dusty rose, rustic brick, blue spruce, and charcoal. Custom colors may be ordered to match virtually any substrate.

HOW TO USE

Please consult the *Dow Corning Americas Technical Manual*, Form No. 62-1112, for detailed information on state-of-the- art application methods and joint design. Please contact your local *Dow Corning* Sales Application Engineer for specific advice.

Preparation

Clean all joints, removing all foreign matter and contaminants such as grease, oil, dust, water, frost, surface dirt, old sealants or glazing compounds and protective coatings.

Application Method

Install backing material or joint filler, setting blocks, spacer shims and tapes. Mask areas adjacent to joints to ensure neat sealant lines. Primer is generally not required on non-porous surfaces, but may be necessary for optimal sealing of certain porous surfaces. A test placement is always recommended. Apply *Dow Corning* 795 Silicone Building Sealant in a continuous operation using positive pressure. (The sealant can be applied using many types of air-operated guns and most types of bulk dispensing equipment.) Before a skin forms (typically within 15 minutes), tool the sealant with light pressure to spread the sealant against the backing material and joint surfaces. Remove masking tape as soon as the bead is tooled.

HANDLING

PRECAUTIONS

PRODUCT SAFETY INFORMATION REQUIRED FOR SAFE USE IS NOT INCLUDED IN THIS DOCUMENT. BEFORE HANDLING, READ PRODUCT AND MATERIAL SAFETY DATA SHEETS AND CONTAINER LABELS FOR SAFE USE, PHYSICAL AND HEALTH HAZARD INFORMATION. THE MATERIAL SAFETY DATA SHEET IS AVAILABLE ON THE DOW CORNING WEBSITE AT DOWCORNING.COM, OR FROM YOUR DOW CORNING SALES APPLICATION ENGINEER, OR DISTRIBUTOR, OR BY CALLING DOW CORNING CUSTOMER SERVICE.

USABLE LIFE AND STORAGE

When stored at or below 27°C (80°F), *Dow Corning* 795 Silicone Building Sealant has a shelf life of 12 months from the date of manufacture. Refer to product packaging for "Use By Date."

PACKAGING INFORMATION

Dow Corning 795 Silicone Building Sealant is supplied in 10.3-fl oz (305-mL) disposable plastic cartridges that fit ordinary caulking guns, 20-fl oz (590- mL) sausages and 2- and 4.5-gal (7.5- and 17-L) bulk containers.

LIMITATIONS

Dow Corning 795 Silicone Building Sealant should not be used:

- In structural applications without prior review and approval by your local *Dow Corning* Sales Application Engineer
- In below-grade applications
- When surface temperatures exceed 50°C (122°F) during installation
- On surfaces that are continuously immersed in water

- On building materials that bleed oils, plasticizers or solvents that may affect adhesion
- On frost-laden or wet surfaces
- In totally confined joints (the sealant requires atmospheric moisture for cure)
- If the sealant is intended to be painted (paints do not typically adhere to most silicone sealants)
- To surfaces in direct contact with food or other food-grade applications

This product is neither tested nor represented as suitable for medical or pharmaceutical uses.

HEALTH AND ENVIRONMENTAL INFORMATION

To support Customers in their product safety needs, Dow Corning has an extensive Product Stewardship organization and a team of Product Safety and Regulatory Compliance (PS&RC) specialists available in each area.

For further information, please see our website, dowcorning.com or consult your local Dow Corning representative.

LIMITED WARRANTY INFORMATION – PLEASE READ CAREFULLY

The information contained herein is offered in good faith and is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that our products are safe, effective, and fully satisfactory for the intended end use. Suggestions of use shall not be taken as inducements to infringe any patent.

Dow Corning's sole warranty is that our products will meet the sales specifications in effect at the time of shipment.

Your exclusive remedy for breach of such warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted.

TO THE FULLEST EXTENT PERMITTED BY APPLICABLE LAW, DOW CORNING SPECIFICALLY DISCLAIMS ANY OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY.

DOW CORNING DISCLAIMS LIABILITY FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES.

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The Chemical Company

Technical Data Guide

7 | 07 92 00
Joint
Sealants

MasterSeal® NP 1™

One-component, elastomeric, gun-grade polyurethane sealant

FORMERLY SONOLASTIC® NP 1™

PACKAGING

- 300 ml (10.1 fl oz) cartridges, 30 cartridges per carton and 12 cartridges per carton
- 590 ml (20 fl oz) ProPaks, 20 per carton

COLORS

White, Off-White, Limestone, Stone, Tan, Aluminum Gray, Medium Bronze, Special Bronze, Redwood Tan, Black And Gray

For color availability in bulk packaging, call Customer Service.

YIELD

See page 3 for charts

STORAGE

Store in original, unopened containers away from heat and direct sunlight. Storing at elevated temperatures will reduce the shelf life.

SHELF LIFE

Cartridges and ProPaks:
1 year when properly stored.

VOC CONTENT

35g/L less water and exempt solvents

DESCRIPTION

MasterSeal NP 1 is a one-component, high-performance, non-priming, gun-grade, elastomeric polyurethane sealant. It requires no mixing and typically requires no priming to bond to many materials, including concrete and masonry.

PRODUCT HIGHLIGHTS

- One-component formula requires no mixing, helping to reduce labor costs
- Joint movement capability $\pm 35\%$ provides excellent flexibility for keeping moving joints weathertight
- Easy to gun and tool, speeding up application and making neater joints
- Available in ProPaks, reducing jobsite waste, lowering disposal costs
- 12 standard colors to match a wide variety of common substrates
- No primer required for most construction materials lowering installation costs
- Weather resistant for long-lasting weathertight seals
- Wide temperature application range makes MasterSeal NP 1 suitable for all climates
- Compatible with non-rigid coatings and can be painted
- Superior holding power for long-lasting roof tile installation
- UL listed; Passes 4-hour, 4-inch, fire and hose stream test when used with Ultra Block or mineral wool
- Suitable for water immersion with documented performance in wet areas
- Meets VOC requirements in all 50 states

APPLICATIONS

- Interior and exterior
- Above and below grade
- Immersed in water
- Expansion joints
- Panel walls
- Precast units
- Aluminum and wood window frames
- Roofing
- Fascia
- Parapets
- Vinyl siding
- Store front assemblies

SUBSTRATES

- Concrete
- Masonry
- Aluminum
- Wood
- Clay & concrete roof tiles
- Stucco
- Natural stone

Technical Data

Composition

MasterSeal NP 1 is a one-component moisture-curing polyurethane.

Compliances

- ASTM C 920, Type S, Grade NS, Class 35, Use NT, M, A, T, O* and I
 - Federal Specification TT-S- 00230C, Type II, Class A
 - Corps of Engineers CRD-C- 541, Type II, Class A
 - Canadian Specification CAN/CGSB-19.13-M87, Classification MCG-2-25-A-N, No. 81026
 - CFI accepted
 - USDA compliant for use in meat and poultry areas
 - Underwriters Laboratories Inc.® classified (fire resistance only)
 - ISO 11600-F-25LM
- * Refer to substrates in Where to Use.

Typical Properties

PROPERTY	VALUE
Service temperature range, ° F (° C)	-40 to 180 (-40 to 82)
Shrinkage	None

Test Data

PROPERTY	RESULTS	TEST METHOD
Movement capability, %	±35	ASTM C 719
Tensile strength, psi (MPa)	350 (2.4)	ASTM D 412
Tear strength, pli	50	ASTM D 1004
Ultimate elongation at break, %	800	ASTM D 412
Rheological, (sag in vertical displacement) at 120° F (49° C)	No sag	ASTM C 639
Extrudability, 3 seconds	Passes	ASTM C 603
Hardness, Shore A		ASTM C 661
At standard conditions	25 – 30	
After heat aging (max Shore A: 50)	25	
Weight loss, after heat aging, %	3	ASTM C 792
Cracking and chalking, after heat aging	None	ASTM C 792
Tack-free time, hrs, (maximum 72 hrs)	Passes	ASTM C 679
Stain and color change	Passes	ASTM C 510
Adhesion* in peel, pli (min. 5 pli)	30	ASTM C 794
Adhesion* in peel after UV radiation through glass (min. 5 pli)	Passes	ASTM C 794
Artificial weathering, Xenon arc, 250 hours	Passes	ASTM C 793
Artificial weathering, Xenon arc, 3,000 hours	No surface cracking	ASTM G 26
Water immersion, 122° F (50° C)	Passes 10 weeks with movement cycling	ASTM C 1247

*Primed for water immersion dictated by ASTM C 920. Concrete and aluminum primed with P 173.
Test results are typical values obtained under laboratory conditions. Reasonable variations can be expected.

TABLE 1

Joint Width and Sealant Depth

JOINT WIDTH, IN (MM)	SEALANT DEPTH AT MIDPOINT, IN (MM)
¼–½ (6–13)	¼ (6)
½–¾ (13–19)	¼–⅜ (6–10)
¾–1 (19–25)	⅜–½ (10–13)
1–1½ (25–38)	½ (13)

Yield

LINEAR FEET PER GALLON*

JOINT DEPTH (INCHES)	JOINT WIDTH (INCHES)									
	¼	⅜	½	⅝	¾	⅞	1	1½	2	3
¼	308	205	154	122	—	—	—	—	—	—
⅜	—	—	—	82	68	58	51	—	—	—
½	—	—	—	—	51	44	38	26	19	12

METERS PER LITER

JOINT DEPTH (MM)	JOINT WIDTH (MM)									
	6	10	13	16	19	22	25	38	50	75
6	24.8	16.5	12.4	9.8	—	—	—	—	—	—
10	—	—	—	6.6	5.5	4.7	4.1	—	—	—
13	—	—	—	—	4.1	3.5	3.0	2.2	1.5	0.7

HOW TO APPLY

JOINT PREPARATION

1. The product may be used in sealant joints designed in accordance with SWR Institute's Sealants - The Professional's Guide.
2. In optimal conditions, the depth of the sealant should be ½ the width of the joint. The sealant joint depth (measured at the center) should always fall between the maximum depth of ½" and the minimum depth of ¼". Refer to Table 1.
3. In deep joints, the sealant depth must be controlled by closed cell backer rod or soft backer rod. Where the joint depth does not permit the use of backer rod, a bond breaker (polyethylene strip) must be used to prevent three-point bonding.
4. To maintain the recommended sealant depth, install backer rod by compressing and rolling it into the joint channel without stretching it lengthwise. Closed cell backer rod should be about ⅛" (3 mm) larger in diameter than the width of the joint to allow for compression. Soft backer rod should be approximately 25% larger in diameter than the joint width. The sealant does not adhere to it, and no separate bond breaker is required. Do not prime or puncture the backer-rod.

SURFACE PREPARATION

Substrates must be structurally sound, fully cured, dry, and clean. Substrates should always be free of the following: dirt, loose particles, oil, grease, asphalt, tar, paint, wax, rust, waterproofing or curing and parting compounds, membrane materials and sealant residue.

CONCRETE, STONE AND OTHER MASONRY

Clean by grinding, sandblasting or wire brushing to expose a sound surface free of contamination and laitance.

WOOD

New and weathered wood must be clean, dry and sound. Scrape away loose paint to bare wood. Any coatings on wood must be tested to verify adhesion of sealant or to determine an appropriate primer.

METAL

Remove scale, rust and loose coatings from metal to expose a bright white surface. Any coatings on metal must be tested to verify adhesion of sealant or to determine an appropriate primer.

PRIMING

1. MasterSeal NP 1 is considered a non-priming sealant, but special circumstances or substrates may require a primer. It is the user's responsibility to check the adhesion of the cured sealant on typical test joints at the project site before and during application. Refer to product data sheet on MasterSeal P 173 or MasterSeal P 176, and consult Technical Service for additional information.
2. For immersion applications, MasterSeal P 173 must be used.
3. Apply primer full strength with a brush or clean cloth. A light, uniform coating is sufficient for most surfaces. Porous surfaces require more primer; however, do not over-apply.
4. Allow primer to dry before applying MasterSeal NP 1. Depending on temperature and humidity, primer will be tack-free in 15–120 minutes. Priming and sealing must be done on the same day.

APPLICATION

1. MasterSeal NP 1 comes ready to use. Apply using professional grade caulking gun. Do not open cartridges, ProPaks or pails until preparatory work has been completed.
2. Fill joints from the deepest point to the surface by holding an appropriately sized nozzle against the back of the joint.

3. Dry tooling is recommended. Proper tooling results in the correct bead shape, neat joints, and optimal adhesion.
4. For roof tile applications apply a bead of MasterSeal NP 1 sufficient in size to make a bond between two tiles on the upper surface of the down slope tile. Install the upslope tile and press into the sealant bead to ensure good contact between the sealant and both tiles.

CURING TIME

The cure of MasterSeal NP 1 varies with temperature and humidity. The following times assume 75° F (24° C), 50% relative humidity, and a joint ½" width by ¼" depth (13 by 6 mm).

- Skins: overnight or within 24 hours
- Full cure: approximately 1 week
- Immersion service: 21 days

CLEAN UP

1. Immediately after use, clean equipment with MasterSeal 990 or xylene. Use proper precautions when handling solvents.
2. Remove cured sealant by cutting with a sharp-edged tool.
3. Remove thin films by abrading.

FOR BEST PERFORMANCE

- Do not allow uncured MasterSeal NP 1 to come into contact with alcohol-based materials or solvents.
- Do not apply polyurethane sealants in the vicinity of uncured silicone sealants or uncured MasterSeal NP 150™.
- MasterSeal NP 1 should not come in contact with oil-based caulking, uncured silicone sealants, polysulfides, or fillers impregnated with oil, asphalt or tar.
- Protect unopened containers from heat and direct sunlight.
- In cool or cold weather, store container at room temperature for at least 24 hours before using.
- When MasterSeal NP 1 is to be used in areas subject to continuous water immersion, cure for 21 days at 70° F (23° C) and 50% relative humidity. Allow longer cure times at lower temperatures and humidities. Always use MasterSeal P 173.

- Do not apply over freshly treated wood; treated wood must have weathered for at least 6 months.
- Do not use in swimming pools or other submerged conditions where the sealant will be exposed to strong oxidizers. Avoid submerged conditions where water temperatures will exceed 120° F (50° C).
- Substrates such as copper, stainless steel and galvanized steel typically require the use of a primer; MasterSeal P 173 or MasterSeal P 176 is acceptable. For Kynar 500 based coatings, use P 173 only. An adhesion test is recommended for any other questionable substrate.
- MasterSeal NP 1 is an aromatic urethane, as such it may discolor over time with UV exposure. Where maintaining a true white appearance is critical, use MasterSeal NP 150 or MasterSeal CR 195 sealants.
- MasterSeal NP 1 can be applied below freezing temperatures only if substrates are completely dry, free of moisture and clean. Contact Technical Service for more information.
- Lower temperatures and humidities will extend curing times.
- Pursuant to accepted industry standards and practices, using rigid paints and/or coatings over flexible sealants can result in a loss of adhesion of the applied paint and/or coating, due to the potential movement of the sealant. However, should painting and/or coating be desired it is required that the applicator of the paint and/or coating conduct on-site testing to determine compatibility and adhesion.
- Proper application is the responsibility of the user. Field visits by BASF personnel are for the purpose of making technical recommendations only and not for supervising or providing quality control on the jobsite.
- Not for use in glazing applications. Do not apply on glass and plastic glazing panels.

HEALTH, SAFETY AND ENVIRONMENTAL

Read, understand and follow all Safety Data Sheets and product label information for this product prior to use. The SDS can be obtained by visiting www.master-builders-solutions.basf.us, e-mailing your request to basfbcsst@basf.com or calling 1(800)433-9517. Use only as directed.

**For medical emergencies only,
call ChemTrec® 1(800)424-9300.**

LIMITED WARRANTY NOTICE

BASF warrants this product to be free from manufacturing defects and to meet the technical properties on the current Technical Data Guide, if used as directed within shelf life. Satisfactory results depend not only on quality products but also upon many factors beyond our control. BASF MAKES NO OTHER WARRANTY OR GUARANTEE, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE WITH RESPECT TO ITS PRODUCTS. The sole and exclusive remedy of Purchaser for any claim concerning this product, including but not limited to, claims alleging breach of warranty, negligence, strict liability or otherwise, is the replacement of product or refund of the purchase price, at the sole option of BASF. Any claims concerning this product must be received in writing within one (1) year from the date of shipment and any claims not presented within that period are waived by Purchaser. BASF WILL NOT BE RESPONSIBLE FOR ANY SPECIAL, INCIDENTAL, CONSEQUENTIAL (INCLUDING LOST PROFITS) OR PUNITIVE DAMAGES OF ANY KIND.

Purchaser must determine the suitability of the products for the intended use and assumes all risks and liabilities in connection therewith. This information and all further technical advice are based on BASF's present knowledge and experience. However, BASF assumes no liability for providing such information and advice including the extent to which such information and advice may relate to existing third party intellectual property rights, especially patent rights, nor shall any legal relationship be created by or arise from the provision of such information and advice. BASF reserves the right to make any changes according to technological progress or further developments. The Purchaser of the Product(s) must test the product(s) for suitability for the intended application and purpose before proceeding with a full application of the product(s). Performance of the product described herein should be verified by testing and carried out by qualified experts.

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Product Description

DuraLink 35 is a multi-purpose, resilient joint sealant that combines economy and high performance. It is ideal for a wide range of applications where joint movement requires compression and extension in excess of 35%. Because **DuraLink 35** is a moisture-curing polyether sealant, it is effective in damp, dry or cold climates and is free of solvents and isocyanates. It will not shrink upon curing, bubble on damp surfaces as polyurethanes sealants often do, or discolor when exposed to UV light. **DuraLink 35** has excellent elastomeric properties and adheres to most construction materials including difficult surfaces such as Kynar 500® PVDF and other anodized metals and coatings. **DuraLink 35** is effective in many difficult construction site conditions: It can be applied to damp surfaces at temperatures as low as 32° F (0° C).

Applicable Performance Standards

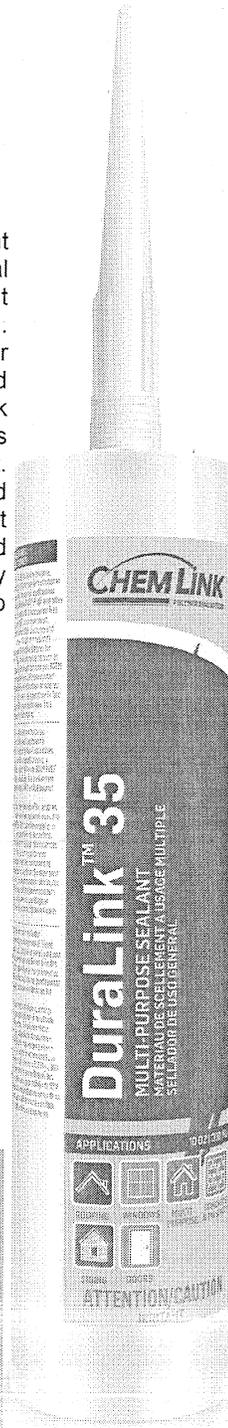
- ASTM C920, Type S, Grade NS, Class 35, Uses NT, T₂, M, G, A & O
- Federal Specification TT-S-00230-C Type II, Class B
- Corps of Engineers CRD-C-541, Type II, Class B
- Canadian Standards Board CAN 19, 13-M82
- SWR Institute Validated (Sealant Waterproofing and Restoration)

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
- Conforms to USDA Requirements for Non-food Contact

Green Standards:

- 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
- VOC Content: less than 25 grams / liter ASTM D2369 EPA Method 24 (tested at 240°F / 115°C)



Advantages

- Bonds to Kynar 500® PVDF coated metal
- Solvent free, 100% solids will not shrink
- Non-slump, applies vertically and overhead
- 40 minute skin over
- No outgassing on damp surfaces
- Available in a wide range of roofing & siding colors
- Color stability, will not suntan
- Paintable within 24 hours (See limitations)
- +/- 35% joint movement

Colors

Please refer to applied color board or chemlink.com for a full list of roofing and siding colors. Special colors are available upon request.

Packaging

- 10.1 oz (300 ml) Euro / 4inch nozzle
 12 cartridges/carton, 105 cartons/pallet
 24 cartridges/carton, 45 cartons/pallet
- 20 oz (600 ml)
 12 sausages/carton, 40 cartons/pallet
- 2 and 5 gallon pails or 50 gallon drums
 available by special order



American Architectural Manufacturers Association



NATIONAL ROOFING CONTRACTORS ASSOCIATION MEMBER



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). Control the depth of the sealant by using a polyethylene backer rod that is 25% larger than the joint opening at standard temperature. To prevent three-point adhesion use a backer rod or bond breaker tape to ensure proper joint movement and a long lasting weatherproof seal. 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)	1/4 (6)
1/2 - 3/4 (13-19)	1/4 - 3/8 (6-10)
3/4 - 1 (19-25)	3/8 - 1/2 (10-13)

CHEM LINK recommends an appropriate substrate primer to be used on high moving joints or dissimilar substrates which require increased adhesion properties.

Compatible Substrates*	
Kynar 500® PVDF Coated Metal	Brick, Concrete and Stone
Galvanized Metal	EPDM and SBS Mod Bit
Aluminum	EPS Foam
Engineered Plastics, PVC	B.U.R (Built up Roofing)
Glass	Fiberglass FRP
James Hardie Board	Vinyl Siding
EIFS	Stucco

*Test and evaluate to ensure adequate adhesion.

Typical Physical Properties

Gun Grade	Zero Slump	
Viscosity	1,100,000 cp +/- 300,000 cp	Brookfield RVF TF Spindle, 4 RPM, 73°F (23°C)
Density	12.9 +/- 0.2 lbs per gallon	ASTM D1475
Tack Free Time	40 min	45 +/- 5% R.H.
Elongation at Break	380%	ASTM D412
Peel Strength	25 pli	ASTM C794
Tensile Strength	180 psi	ASTM D412
Hardness Shore A	31	ASTM C661
Lap Shear Strength	195 psi	ASTM D1002
Low temp. flex	Pass -10°F (-23°C) 1/4 inch mandrel	ASTM D816
Shrinkage	No visible shrinkage after 14 days	
Service Temperature	-40°F to 200°F (-40°C to 93°C)	

Basic Uses

Window and door frames	Siding
Parapets	Weather Sealing
Block and Masonry	Cove Joints
Expansion joints	Transportation

Concrete

Prior to application remove any residual contamination by mechanical abrasion, sand blasting or power washing. On green concrete, remove all release agents, friable and loose concrete. Dry all visible and standing water prior to applying **DuraLink 35**. Install an appropriate backer rod to avoid three-point bonding.

Metal

Prepare all metal to ensure maximum adhesion. Remove all rust, scale and residue by wire brushing to a bright metal sheen. Remove films, loose or inappropriate coatings and oils with an appropriate solvent such as alcohol.*

**CHEM LINK recommends that coated substrates be tested for adhesion prior to starting a project. Please contact Technical Services for specific application guidelines and recommendations.*

Wood

Wood should be clean, sound and dry prior to sealant application. Allow treated wood to weather for six months prior to application. Remove all coatings and paint (or test for compatibility) to ensure proper bonding. Do not use on fire retardant lumber.

Priming

In most instances **DuraLink 35** will not require a primer. However, certain applications or substrates may require a primer to ensure a long lasting bond and weatherproof seal. It is the applicator's responsibility to determine the need for a primer. CHEM LINK recommends a primer be used for any application where prolonged immersion is anticipated.

Clean-Up

Wet sealant can be removed using a solvent such as alcohol. Cured **DuraLink 35** can be removed by abrading or scraping the substrate.

Storage

Store original, unopened containers in a cool, dry area. Protect unopened containers from water, heat and direct sunlight. Elevated temperatures will reduce shelf life. **DuraLink 35** will not freeze.

Shelf Life

Cartridges have a twelve months 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.

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 **DuraLink 35** at room temperature before applying to ensure easy gunning and tooling. Test and evaluate to ensure adequate adhesion. Carefully gun the sealant with a smooth, continuous bead. If tooling is needed, do so within fifteen minutes of application.

Caution

Avoid prolonged contact with skin. Uncured adhesive irritates eyes. In case of contact with eyes immediately flush with water. Call a physician. Please refer to the SDS for first aid information.

See www.chemlink.com for most current SDS.

KEEP OUT OF REACH OF CHILDREN.

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.
- Please contact customer service for application guidelines with temperatures below 32°F (0°C).
- Test and evaluate all paints before application.
 - Polyurethane and oil based paints may dry slowly.
- Do not use on TPO without CHEM LINK TPO primer.