

CITY OF WILLMAR, MINNESOTA
REQUEST FOR COMMITTEE ACTION

Agenda Item Number: 3

Meeting Date: July 29, 2014

Attachments: Yes No

CITY COUNCIL ACTION

Date: August 4, 2014

- Approved
- Amended
- Other
- Denied
- Tabled

Originating Department: Public Works

Agenda Item: Request to Purchase/Replace a Skid-Steer Loader with attachments.

Recommended Action: Approve the purchase/replacement for a Skid-Steer Loader with attachments.

Background/Summary: The total cost for the above equipment amounts to \$50,372.60; \$28,225.40 for the S5980 T4 Bobcat Skid-Steer Loader, \$6,421.80 for factory installed A91 option package, and dealer installed attachments totaling \$30,475.40 including a pallet fork frame, landscape rake, snow blower, wheel saw, and bucket. The skid-steer serves multiple purposes in the Public Works Department and is used year round.

Alternatives: Keep the current skid-steer loader.

Financial Considerations: The 2014 Capital Outlay Program has included \$81,435.00 for the purchase and replacement of the Skid-Steer Loader with attachments.

Preparer: Sean Christensen, P.E.
Public Works Director

Signature:

Comments: Vehicle/Equipment Replacement Policy objective is to reduce annual maintenance and replacement costs of all City equipment. These objectives will be met through the systematic maintenance, upgrade, and/or replacement of equipment.



WILLMAR



PUBLIC WORKS

Memorandum

DIRECTOR/CITY ENGINEER
City Office Building
Box 755 320-235-4202
STREET/PARK SUPERINTENDENT
801 W. Hwy. 40 320-235-3827
WASTEWATER TREATMENT
3000 75th St. SW 320-235-4760
Willmar, Minnesota 56201
Fax 320-235-4917
www.ci.willmar.mn.us

TO: Charlene Stevens, City Administrator
FROM: Sean Christensen, Public Works Director *SC*
DATE: July 21, 2014
RE: Purchase of a Skid-Steer Loader

Staff is in the process of proceeding with the purchase and replacement of a Skid-Steer Loader in accordance with the 2014 Capital Outlay Program.

I am requesting approval to replace Unit # 003576 a 2000 Bobcat Skid-Steer Loader. A Bobcat Skid-Steer Loader would be purchased from Bobcat Company for \$50,372.60 through Minnesota State Contract # 71059. Please be advised that the 2014 Capital Outlay Program has included \$81,435.00 for the purchase and replacement of the Skid-Steer Loader with attachments.

Please be advised Unit# 003576 a 2000 Bobcat Skid-Steer Loader would be traded-in with Farm-Rite Equipment, the Bobcat Dealer. Also be advised that the end of the State Contract period is August 31, 2014.

Please let me know if you concur with this submittal.

Approval _____

sl





Bobcat

Product Quotation

Quotation Number: CMS-24565v1

Date: 2014-07-16 12:56:24

| | | |
|--|--|--|
| Customer Name/Address: | Bobcat Dealer | Contract Holder/Manufacturer |
| CITY OF WILLMAR Attn: GARY MANZER 801 INDUSTRIAL DR WILLMAR, MN 56201 Phone: (320) 491-7366 | Dan Farm-Rite Equipment of Willmar, 1515 WEST LITCHFIELD AVENUE WILLMAR MN 56201 Phone: 320-235-3672 Fax: 320-222-0180 | Bobcat Company PO Box 6000 West Fargo, ND 58078 Phone: 701-241-8719 Fax: 701-280-7860 Contact: Crystal Stram Crystal.stram@doosan.com |

Description

S590 T4 Bobcat Skid-Steer Loader

66.0 HP Tier 4 Turbo Diesel Engine
 Auxiliary Hydraulics: Variable Flow
 Backup Alarm
 Bob-Tach
 Bobcat Interlock Control System (BICS)
 Controls: Bobcat Standard
 Engine/Hydraulic Systems Shutdown
 Glow Plugs (Automatically Activated)
 Horn
 Instrumentation: Engine Temperature & Fuel Gauges, Hourmeter,
 RPM and Warning Lights
 Lift Arm Support Lift Path: Vertical

| Part No | Qty | Price Ea. | Total |
|--|-----|-------------|-------------|
| M0261 | 1 | \$28,225.40 | \$28,225.40 |
| Lights, Front & Rear Operator Cab | | | |
| <ul style="list-style-type: none"> Includes: Adjustable Cushion Seat, Top & Rear Windows, Parking Brake, Seat Bar & Seat Belt Roll Over Protective Structure (ROPS) meets SAE-J1040 & ISO 3471 Falling Object Protective Structure (FOPS) meets SAE-J1043 & ISO 3449, Level I; (Level II is available through Bobcat Parts) | | | |
| Spark Arrestor Exhaust System | | | |
| Tires: 31 x 12-16.5, 10 PR, Bobcat Heavy Duty | | | |
| Warranty: 12 Months, Unlimited Hours | | | |

Factory Install A91 Option Package

Cab enclosure with Heat and AC
 High Flow Hydraulics
 Two-Speed Travel
 Sound Reduction
 Hydraulic Bucket Positioning
 Cab Accessories Package

| | | | |
|--|---|------------|------------|
| M0261-P01-A91 | 1 | \$6,421.80 | \$6,421.80 |
| Power Bob-Tach Deluxe Instrument Panel Keyless Start Suspension Seat with 3-Point Belt Engine Block Heater Attachment Control Kit | | | |

| | | | | | |
|------------------|-------------------------------------|---------------|---|-------------|-------------|
| | Air Ride Seat 3pt Belt | M0261-R05-C12 | 1 | \$209.30 | \$209.30 |
| | 10-16.5, 10 PR, Heavy Duty Tires | M0261-R09-C02 | 1 | \$0.00 | \$0.00 |
| | Strobe | M0261-R16-C03 | 1 | \$297.50 | \$297.50 |
| | Radio | M0261-R26-C02 | 1 | \$277.90 | \$277.90 |
| | Port Relief Valve | M0261-A02-C05 | 1 | \$206.50 | \$206.50 |
| Dealer Installed | SKZ Tire Upgrade (4 ea) | | 1 | \$120.00 | \$120.00 |
| Attachments | Attachment Control Kit, 14-Pin | 6733136 | 1 | \$474.00 | \$474.00 |
| | 74" Combination Bucket | 7167312 | 1 | \$2,695.72 | \$2,695.72 |
| | --- Bolt-On Cutting Edge, 74" | 6718007 | 1 | \$242.00 | \$242.00 |
| | WS18 Wheel Saw | 6729537 | 1 | \$11,412.92 | \$11,412.92 |
| | --- 3" Wheel For WS18 | 6729544 | 1 | \$2,520.16 | \$2,520.16 |
| | Landscape Rake, 6B | 6710630 | 1 | \$6,035.16 | \$6,035.16 |
| | SB240 Snowblower - 72" Width | M7005 | 1 | \$4,558.48 | \$4,558.48 |
| | --- 8.0 Hyd Motor Pkg (21 - 26 gpm) | M7005-R01-C03 | 1 | \$813.96 | \$813.96 |
| | Pallet Fork Frame | 6712927 | 1 | \$323.76 | \$323.76 |
| | --- 48" Pallet Fork Teeth | 6540182 | 1 | \$288.04 | \$288.04 |

| | | |
|---------------------------------|--|----------------------|
| Total of Items Quoted | | \$65,122.60 |
| Trade-in | Trade-in of 773 Loader, Tracks ,D Blade, Forks. | (\$14,750.00) |
| Quote Total - US dollars | | \$50,372.60 |

*Prices per the Minnesota Contract# 71059. Contract Period: 11-1-13 TO 8-31-14

*Must be a Coop Member to purchase off contract

*Terms Net 30 Days. Credit cards accepted.

*FOB Destination within the 48 Contiguous States.

*Delivery: 90 days from ARO.

*TID# 38-0425350

***ORDERS MUST BE PLACED WITH: Clark Equipment Company dba Bobcat Company, Govt Sales, PO Box 6000, West Fargo, ND 58078.**

ORDER ACCEPTED BY:

SIGNATURE

DATED

PRINT NAME AND TITLE

PURCHASE ORDER #

SHIP TO ADDRESS: _____

BILL TO ADDRESS (if different than Ship To): _____



SEQ # 727-713
 Tractors: Skid Steers Attachments
 T-631(5)

State of Minnesota
PRICING PAGE -
METHOD # 2
 (Typed Responses Required)

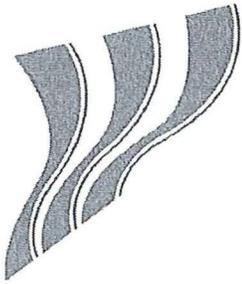
August 21, 2013

Price quote for: **TRACTOR: SKID STEERS AND OEM ATTACHMENTS**

Vendor Name: **Clark Equipment Company dba Bobcat Company**
 Contact Person: **Mike Kotzbacher**
 Street Address: **250 East Beaton Drive**
 P.O. Box: **PO Box 6000**
 City, State, Zip: **West Fargo, ND 58078**
 Phone #: **701-241-8700**
 Toll Free #: **800-965-4232**
 Fax #: **701-280-7860**
 Email Address: **mike.kotzbacher@doosan.com**

Version of Excel used: **Excel 97-2003**

| PERCENTAGE DISCOUNT PRICING | |
|-----------------------------|--|
| 1.0 | MANUFACTURER Bobcat |
| 2.0 | DATE AND ID. OF PRICE LIST Bobcat Sept 2013 |
| 3.0 | PERCENTAGE DISCOUNT FROM PRICE LIST 30% |
| 4.0 | PRICE FOR SERVICE MANUAL \$ 100.00 |
| 4.1 | PRICE FOR PARTS MANUAL \$ 100.00 |
| 4.2 | PRICE FOR OPERATIONS MANUAL Included with Machine |
| 5.0 | EXTENDED WARRANTY OPTIONS Use this section to offer performance/warranty options, number these items starting with 5.1, 5.2, 5.3, etc. <u>(Specify years, miles or hours extended term covers.)</u> |
| 5.1 | |
| 5.2 | |
| 6.0 | NEW EQUIPMENT RENTAL PROGRAM If rental programs are available on the new equipment offered, with the option to purchase, list the hourly/weekly/monthly rental rate. Indicate the percent of rental fee paid by the purchaser that will be applied to the purchase price. See Solicitation Special Terms & Conditions. |
| | Hourly Rental Rate: N/A |
| | Weekly Rental Rate: N/A |
| | Monthly Rental Rate: N/A |
| | Percent (%) of Rental Fee applied to purchase price: N/A |
| 7.0 | VENDOR OWNED RENTAL RETURN OR DEMO EQUIPMENT PROGRAM See Solicitation Special Terms and Conditions. <u>DEDUCT</u> cost per Used Hour from the original Contract Price N/A |
| 8.0 | DISCOUNT OFF LIST PRICE FOR RELATED PARTS & ACCESSORIES 24% Attachments (See Special Terms and Conditions) |
| 9.0 | DELIVERY STARTING POINT - City, State, Zip Gwinner, ND (See Special Terms and Conditions - no flat rate allowed.) Price Per Loaded Mile: \$0.00 |
| 10.0 | INSTALLATION - PER HOUR (Hourly Shop Rate): \$100.00 (Installation services may be requested on an "as needed" basis - see special terms and conditions.) |
| 11.0 | STANDARD WARRANTY: Months, hours, years, etc. 12 months/unlimited hours |



CITY OF WILLMAR, MINNESOTA
REQUEST FOR COMMITTEE ACTION

Agenda Item Number: 4

Meeting Date: July 29, 2014

Attachments: Yes No

CITY COUNCIL ACTION

Date: August 4, 2014

Approved Denied
 Amended Tabled
 Other

Originating Department: Public Works

Agenda Item: Public Works Garage Painting

Recommended Action: Approve the repair and painting of the Public Works Garage

Background/Summary: Staff has requested painting of the Public Works Garage. Quotes were solicited for pressure washing, scraping, caulking cracks, and painting the exterior of the building. One quote was received from Guptill Painting Contractors for \$41,624.00. Staff is also recommending Alternate #1 to paint the exterior doors and frames for \$950.00, totaling \$42,574.00.

Alternatives: 1. Don't award the contract to paint the Public Works Garage.

Financial Considerations: The 2014 Capital Outlay Program has included \$100,000.00 for the Public Works Facility siding and painting.

Preparer: Sean Christensen, P.E.
Public Works Director

Signature:

Comments:



WILLMAR



PUBLIC WORKS

DIRECTOR/CITY ENGINEER

City Office Building
Box 755 320-235-4202

STREET/PARK SUPERINTENDENT

801 W. Hwy. 40 320-235-3827

WASTEWATER TREATMENT

3000 75th St. SW 320-235-4760

Willmar, Minnesota 56201

Fax 320-235-4917

www.ci.willmar.mn.us

Memorandum

TO: Sean Christensen, Public Works Director *SC*
FROM: Scott Ledebøer, Public Works Superintendent
DATE: July 23, 2014
RE: Public Works Garage Painting

Staff is in the process of proceeding with repairs to the Public Works Garage Facility in accordance with the 2014 Capital Outlay Program.

Staff has solicited quotes for pressure washing, scraping, caulking cracks, and painting the exterior Public Works Garage building. One quote has been received from Guptill Painting Contractors for \$41,624.00. Staff is also recommending Alternate #1 to paint the exterior doors and frames for \$950.00.

The 2014 Public Works Capital Outlay Program has included \$100,000.00 for Public Works Facility Siding/Painting.

Please let me know if you concur with this submittal.

sl

Approval: _____



Guptill Painting

Contractors Box 1162, Willmar, MN 56201 (320) 235-4302

Fax 320 235 2446

Project Name: City of Willmar Maintenance Garage

Cell 320-262-1934

Proposal Submitted To: Randy Kardell

Proposal Date: May 22, 2013

Proposal

PROPOSAL FOR PAINTING EXTERIOR BLOCK WALLS

PAINT TO BE SHERWIN WILLIAMS CONFLEX

PAINT TO BE APPLIED AT 75 SQ. FT. PER GALLON

PAINT TO BE SPRAYED , BACKROLLED THEN SPRAYED AGAIN

Addendum Noted:

We propose hereby to furnish material and labor - complete in accordance with the above specifor the sum of: \$41,624.00

Notes: ALT.#1 TO PAINT HM DOORS AND FRAMES BOTH SIDES ADD \$950.00

ALT#2 TO PAINT EXTERIOR SIDE OF OVERHEAD DOORS ADD \$2000.00

Authorized Signature: _____

GUPTILL PAINTING

Box 1162

Willmar MN 56201

320 235 4302 cell 320 262 1934

320 235 2446 (fax)

guptillptg@msn.com

SUBJECT: EXTERIOR PAINTING AT CITY MAINTENANCE GARAGE

The bid would include pressure washing and scraping building prior to painting. Caulking any cracks with Sher-MAX Urethanized Elastomeric Sealant. Paint would be Applied by spraying and backrolling material at 60 to 75 sq. ft. per gallon. Then additional coat would be applied by spraying. We at Guptill Painting are very confident in this product providing it is applied correctly. We are so confident that any paint that blisters or peels will be touched up free of charge for a period of six years. If needed we can supply many references where this product has been used.

ConFlex™ XL High Build Smooth and Textured Coatings

| Description | Specifications | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|----------|--|--------|----------|-------------------|---------|---------|------------|---------|---------|---|---------|----------|-------------------------|---------|---------|------------|----------|----------|---|----------|-----|------------------------------|-------------------------------------|-------------|-----------------------|------------|----------|---|---------|---------|--------------------|--|--|---------------------------|--------|--------|------------------------------|--|--|---------------|--------|--------|---------------------------------------|--|--|
| <p>ConFlex XL High Build Coatings are elastomeric coatings that provides excellent flexibility, durability, and weather resistance. This product will protect against wind-driven rain when used on tilt-up, precast, or poured-in-place concrete, CMU, and stucco.</p> <p>This may be applied to a surface with a pH of 6 to 12.</p> | <p>A total dry film thickness of 12 - 15 mils and a surface with 10 or less pinholes per square foot is required for a waterproofing system.</p> <p>Concrete, Stucco</p> <p>1 ct. Loxon Acrylic Primer 1-2 cts ConFlex XL High Build Coating or 1 ct. ConFlex XL High Build (optional) 1 ct. ConFlex XL Textured High Build</p> <p>Concrete Block, CMU, Split-face Block</p> <p>1 ct. Loxon Surfacer 2 cts ConFlex XL High Build Coating or 1 ct. ConFlex XL High Build (optional) 1 ct. ConFlex XL Textured High Build</p> <p>Previously Coated</p> <p>1 ct. Loxon Conditioner 1-2 cts ConFlex XL High Build Coating or 1 ct. ConFlex XL High Build (optional) 1 ct. ConFlex XL Textured High Build</p> <p>For 2 coat Texture systems, use ConFlex XL High Build Coating Smooth as the first coat</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Characteristics | <p style="writing-mode: vertical-rl; transform: rotate(180deg);">2007-2008</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>Color: most colors</p> <p>Smooth, Two coat system: 100 - 125 sq ft/gal; 13 - 16 mils wet; 6 - 7.5 mils dry Smooth and Textured</p> <p>Textures; Two coat system: 70 - 80 sq ft/gal; 20 - 23 mils wet; 9.4 - 11 mils dry</p> <p>1 coat system, spray applied:</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th style="text-align: center;">Smooth</th> <th style="text-align: center;">Textured</th> </tr> </thead> <tbody> <tr> <td style="text-align: right;">sq ft/gal</td> <td style="text-align: center;">50 - 60</td> <td style="text-align: center;">70 - 80</td> </tr> <tr> <td style="text-align: right;">mils wet</td> <td style="text-align: center;">27 - 32</td> <td style="text-align: center;">20 - 23</td> </tr> <tr> <td style="text-align: right;">mils dry</td> <td style="text-align: center;">13 - 15</td> <td style="text-align: center;">9.4 - 11</td> </tr> </tbody> </table> <p>Can be applied up to 40 mils wet.</p> <p>Drying Time, @ 77°F, 50% RH: temperature and humidity dependent</p> <table style="width: 100%; border-collapse: collapse;"> <tbody> <tr> <td style="text-align: right;">Touch:</td> <td style="text-align: center;">4 hours</td> <td style="text-align: center;">4 hours</td> </tr> <tr> <td style="text-align: right;">Recoat:</td> <td style="text-align: center;">24 hours</td> <td style="text-align: center;">24 hours</td> </tr> </tbody> </table> <p>Flash Point: N/A N/A</p> <p>Finish: 0-10 units @ 85° 0-10 units @ 85°</p> <table style="width: 100%; border-collapse: collapse;"> <tbody> <tr> <td style="text-align: right;">Smooth</td> <td style="text-align: center;">Textured</td> </tr> <tr> <td style="text-align: right;">VOC</td> <td style="text-align: center;">97 g/L 93 g/L</td> </tr> <tr> <td style="text-align: right;">(less exempt solvents): 0.81 lb/gal</td> <td style="text-align: center;">0.77 lb/gal</td> </tr> </tbody> </table> <p>Check local regulations for VOC compliance</p> <table style="width: 100%; border-collapse: collapse;"> <tbody> <tr> <td style="text-align: right;">Volume Solids:</td> <td style="text-align: center;">46 ± 2%</td> <td style="text-align: center;">49 ± 2%</td> </tr> <tr> <td style="text-align: right;">Weight per Gallon:</td> <td style="text-align: center;">11.3 lb</td> <td style="text-align: center;">10.4 lb</td> </tr> </tbody> </table> | | | | Smooth | Textured | sq ft/gal | 50 - 60 | 70 - 80 | mils wet | 27 - 32 | 20 - 23 | mils dry | 13 - 15 | 9.4 - 11 | Touch: | 4 hours | 4 hours | Recoat: | 24 hours | 24 hours | Smooth | Textured | VOC | 97 g/L 93 g/L | (less exempt solvents): 0.81 lb/gal | 0.77 lb/gal | Volume Solids: | 46 ± 2% | 49 ± 2% | Weight per Gallon: | 11.3 lb | 10.4 lb | | | | | | | | | | | | | | | |
| | Smooth | Textured | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| sq ft/gal | 50 - 60 | 70 - 80 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| mils wet | 27 - 32 | 20 - 23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| mils dry | 13 - 15 | 9.4 - 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Touch: | 4 hours | 4 hours | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Recoat: | 24 hours | 24 hours | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Smooth | Textured | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| VOC | 97 g/L 93 g/L | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (less exempt solvents): 0.81 lb/gal | 0.77 lb/gal | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Volume Solids: | 46 ± 2% | 49 ± 2% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Weight per Gallon: | 11.3 lb | 10.4 lb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Application | <p style="writing-mode: vertical-rl; transform: rotate(180deg);">2007-2008</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>Temperature: 50°F minimum, 100°F maximum (air, surface, and material), at least 5°F above dew point</p> <p>Relative humidity: 85% maximum</p> <p>The following is a guide. Changes in pressures and tip sizes may be needed for proper spray characteristics. Always purge spray equipment before use with listed reducer. Any reduction must be compatible with the existing environmental and application conditions.</p> <p>Do not reduce.</p> <p>Brush - Use a nylon/polyester brush. Avoid over-brushing which causes air bubbles.</p> <p>Roller - Use a ½" to 1½" nap synthetic roller cover. Avoid rapid rolling which causes bubbling.</p> <p>Smooth: Spray—Airless</p> <p>Pressure, minimum 2300 psi Tip, minimum021"</p> <p>Textured: Spray—Conventional (or similar equipment)</p> <p>Unit Graco RTX 1500 Pressure 30-35 psi air to the pump Tips: 3/16" or 1/4" Reduction none</p> <p>The substrate and its condition will determine the application procedure. Considerations to minimize pinholes:</p> <ul style="list-style-type: none"> • 2 coat application with overnight drying between coats • Spray application with backrolling • Power rolling <p>See Note 4, inside back cover</p> | <p style="text-align: center;">Physical Properties</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th style="text-align: center;">Smooth</th> <th style="text-align: center;">Textured</th> </tr> </thead> <tbody> <tr> <td>Elongation</td> <td></td> <td></td> </tr> <tr> <td>ASTM D2370</td> <td style="text-align: center;">350%</td> <td style="text-align: center;">300%</td> </tr> <tr> <td>1 coat, 9.4 mils dft, 14 day cure @ 77°F & 50% RH</td> <td></td> <td></td> </tr> <tr> <td>Tensile Strength</td> <td></td> <td></td> </tr> <tr> <td>ASTM D2370</td> <td style="text-align: center;">368 psi</td> <td style="text-align: center;">300psi</td> </tr> <tr> <td>1 coat, 9.4 mils dft, 14 day cure @ 77°F & 50% RH</td> <td></td> <td></td> </tr> <tr> <td>Water Vapor Permeance</td> <td></td> <td></td> </tr> <tr> <td>ASTM D1653</td> <td style="text-align: center;">17.8 perms</td> <td style="text-align: center;">22 perms</td> </tr> <tr> <td>1 coat, 9.4 mils dft, 14 day cure @ 77°F & 50% RH</td> <td></td> <td></td> </tr> <tr> <td>Flexibility</td> <td></td> <td></td> </tr> <tr> <td>ASTM-D522, Method B, 10°F</td> <td style="text-align: center;">Passes</td> <td style="text-align: center;">Passes</td> </tr> <tr> <td>Wind-Driven Rain Test</td> <td></td> <td></td> </tr> <tr> <td>ASTM D6904-03</td> <td style="text-align: center;">Passes</td> <td style="text-align: center;">Passes</td> </tr> <tr> <td>98 m.p.h. wind velocity Section 4.4.7</td> <td></td> <td></td> </tr> </tbody> </table> <p>These results are based upon tests conducted by or on behalf of The Sherwin-Williams Company and are general indicators of performance only. Application, conditions, dry and cure times, film thickness, and test interpretation can influence the results.</p> <p>Mildew Resistant</p> <p>This coating contains agents which inhibit the growth of mildew on the surface of this coating film.</p> | | | Smooth | Textured | Elongation | | | ASTM D2370 | 350% | 300% | 1 coat, 9.4 mils dft, 14 day cure @ 77°F & 50% RH | | | Tensile Strength | | | ASTM D2370 | 368 psi | 300psi | 1 coat, 9.4 mils dft, 14 day cure @ 77°F & 50% RH | | | Water Vapor Permeance | | | ASTM D1653 | 17.8 perms | 22 perms | 1 coat, 9.4 mils dft, 14 day cure @ 77°F & 50% RH | | | Flexibility | | | ASTM-D522, Method B, 10°F | Passes | Passes | Wind-Driven Rain Test | | | ASTM D6904-03 | Passes | Passes | 98 m.p.h. wind velocity Section 4.4.7 | | |
| | Smooth | Textured | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Elongation | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ASTM D2370 | 350% | 300% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 coat, 9.4 mils dft, 14 day cure @ 77°F & 50% RH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tensile Strength | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ASTM D2370 | 368 psi | 300psi | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 coat, 9.4 mils dft, 14 day cure @ 77°F & 50% RH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Water Vapor Permeance | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ASTM D1653 | 17.8 perms | 22 perms | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 coat, 9.4 mils dft, 14 day cure @ 77°F & 50% RH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Flexibility | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ASTM-D522, Method B, 10°F | Passes | Passes | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wind-Driven Rain Test | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ASTM D6904-03 | Passes | Passes | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 98 m.p.h. wind velocity Section 4.4.7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



112.15

Sher-MAX™ Urethanized Elastomeric Sealant

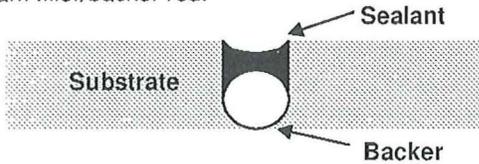
| <p>PRODUCT DESCRIPTION The SHER-MAX™ formulation features Superlastic™ technology. This Sherwin-Williams exclusive technology provides maximum flexibility and performance making SHER-MAX™ our best latex choice for most interior and exterior applications. Unique to the latex sealant industry, SHER-MAX™ is a Class 35 sealant, which allows for a total 70% joint movement capability!</p> <p>BASIC USES For use on: crown molding, wood trim, chimneys, doors, ducts, windows, masonry, siding board and most exterior sealing.</p> <ul style="list-style-type: none"> • Excellent for high movement/high stress areas • Urethanized for superior adhesion • 70% total joint movement | <p>SPECIFICATION COMPLIANCE Tested at Riverbank Acoustical Laboratories in accordance with ASTM E90 and C-919, this product was sound tested and proven to be an integral component in maintaining STC/MTC partition ratings. It has also been tested in accordance with ASTM C-834 and D-217.</p> <p>Sher-MAX™ Urethanized Premium Elastomeric Sealant meets or exceeds the test requirements of:</p> <ul style="list-style-type: none"> • Federal Spec. TT-S-00230C, Type II, Class A • ASTM C-920, Class 35 <p>PRODUCT AVAILABILITY</p> <table border="0"> <thead> <tr> <th>Color</th> <th>SMIS Number</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>White</td> <td>133-5223</td> <td>10.1 fl oz</td> </tr> <tr> <td>Clear</td> <td>163-2017</td> <td>10.1 fl oz</td> </tr> </tbody> </table> | Color | SMIS Number | Size | White | 133-5223 | 10.1 fl oz | Clear | 163-2017 | 10.1 fl oz |
|--|---|------------|-------------|------|-------|----------|------------|-------|----------|------------|
| Color | SMIS Number | Size | | | | | | | | |
| White | 133-5223 | 10.1 fl oz | | | | | | | | |
| Clear | 163-2017 | 10.1 fl oz | | | | | | | | |

| | |
|--|--|
| <p>Properties</p> <p>Vehicle: Acrylic Polymer</p> <p>Color: Brilliant White and Clear</p> <p>Extrudability: Excellent</p> <p>Exterior Weather: Will not crack, discolor or lose adhesion</p> <p>Sag ASTM C2202: 0.15 in. maximum</p> <p>Freeze-thaw: Passes 5 cycles</p> <p>Mildew resistance: Resists mildew growth</p> <p>VOC: 0.49% by weight</p> <p>Performance Specification for GreenSure Branding: Product has been tested to meet ASTM Specification C920 (C719 testing for cyclic movement ensures airtight, flexible seal). Product has been formulated to be virtually VOC-free (under ½ of 1% of VOC content), exceeding the most stringent VOC regulations relating to the caulking industry. Product packaging contains at least 25% post-consumer-recycled content.</p> | |
|--|--|

Sher-MAX™ Urethanized Elastomeric Sealant

PREPARATION & USE

JOINT DESIGN: Joints should not be more than 1/2" in width or depth. Joints deeper than 1/2" should be filled to within 1/2" of the surface with polyethylene foam filler/backer rod.



PREPARATION: Surfaces to be caulked/sealed must be clean, dry and free from oils, loose mortar, laitance, form release agents, old caulking, old paint or other contaminants. Allow new concrete to cure for 30 days before caulking.

MASKING: Mask areas that are not to be caulked/sealed. Remove masking immediately after tooling BEFORE a skin has formed on the caulk/sealant.

APPLICATION: Cut nozzle at 45° angle to the desired orifice /bead size. Load cartridge into a caulk gun and puncture the inner seal. Squeeze trigger to start flow of material. Keep nozzle pressed against the surface and slowly draw along seam. Apply a uniform, continuous bead.

TOOLING: Tool caulk with appropriate tool to ensure firm, full contact with the surface or the joint. If necessary, smooth the surface with wet finger or spatula and wipe off the excess with a water-dampened rag.

PRIMING: For best results, priming is recommended prior to caulking. Determine the primer based on the substrate, any topcoat, and any required performance.

PAINTING: (Temperature and Humidity Dependent) Can be painted after 30 minutes at 75°F and 50% relative humidity. For best results, a minimum of 4 hours dry time is required before painting with latex or oil base paint. Allow extra dry time during periods of high humidity and/or cool temperatures.

Always use a shellac sealer before applying lacquer.

CLEAN-UP: Clean tools and excess sealant with soap and water or a damp cloth while still wet.

LIMITATIONS

Not for use below grade, on aquariums, or for marine use below the water line.

Never use in architectural joints, joints subject to heavy abrasion, wear or joints frequently under water. Apply at temperatures above 40°F.

For indoor and exterior use.

Do not apply when rain or moisture is expected.

Do not apply to frozen or frost covered surfaces.

Protect from freezing.

SHELF LIFE

This sealant has a shelf life of 12 months from the date of manufacture when stored at room temperature.

PRECAUTIONS

Use only with adequate ventilation. Avoid contact with eyes and skin. Wash hands after using. Do not transfer contents to other containers for storage. In case of eye contact, flush with water. Get medical attention if irritation persists. If swallowed, get medical attention immediately. **DO NOT TAKE INTERNALLY. KEEP OUT OF THE REACH OF CHILDREN.**

| Coverage in Lineal Feet One cartridge (10, 10.1, 10.3 fl. oz.) | | | | | |
|---|------|-----------------|------|------|------|
| | | Depth in Inches | | | |
| | | 1/8" | 1/4" | 3/8" | 1/2" |
| Width in Inches | 1/8" | 99 | | | |
| | 1/4" | 49 | 24 | | |
| | 3/8" | 33 | 20 | 11 | |
| | 1/2" | 24 | 12 | 8 | 6 |
| | 5/8" | 20 | 10 | 7 | 5 |
| | 3/4" | 16 | 8 | 6 | 4 |
| | 7/8" | 14 | 7 | 5 | 4 |
| | 1" | 12 | 6 | 4 | 3 |

When using this reference chart, you MUST consider the physical limitations of the product you are using. Not all products can be used in the gap sizes shown.