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This section contains information including a general overview of Sun Valley Bronze, SVB Green, ordering, custom designs, patina descriptions, warranty information, and lists of abbreviations used throughout this binder.

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SUN VALLEY BRONZE

Revised 10/21/09



Bob Commons, owner and founder of Sun Valley Bronze, has had a long career in fine home building as a skilled craftsman. During his years as a carpenter, Bob realized there was a deficiency in one aspect of the custom homes he was building. Local builders were exhausting great efforts on the details and finishes of finely crafted homes, but the hardware available had gone the way of mass production, lacking the handcrafted quality that was represented in other areas of the custom home construction process.

Recognizing this void in the industry motivated Bob to begin carving patterns and experimenting with casting in his garage in Hailey, Idaho. He acquired a used furnace from a local high school shop and began melting all manner of reclaimed objects. He realized early on that only the highest grade art bronze could yield the quality he was looking for. With over 40 years of experience in the trades, he is still passionate about bringing the highest quality craftsmanship to his work.

Sun Valley Bronze has grown from its humble beginnings in Bob's garage to a successful business that uses the latest in casting, machining and software technologies. Although the technology has advanced over time, the guiding philosophy of maintaining handcrafted quality lives on in the heart of this family owned and operated company. Each piece of Sun Valley Bronze hardware is made to order, created and assembled by hand in our studios and foundry in the beautiful mountains of Idaho.

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SCS CERTIFICATION

- Certified in 2008 by Scientific Certification Systems (SCS) for pre-consumer recycled content of bronze architectural hardware.
- SCS is a leading third-party provider of certification, auditing and testing services, and standards, founded in 1984.
- SVB hardware can be used to earn LEED MR Credits 4.1 and 4.2 for recycled content (MR- Materials & Resources Category).

BRONZE

- **Silicon Bronze: A Minimum 90% Pre-Consumer Recycled Bronze Content:** The artist-grade silicon bronze used in our manufacturing process conforms to copper Development Association (CDA) CDA873. All of the copper in this alloy comes from recycled copper scrap.

White Bronze: A Minimum 95% Pre-Consumer Recycled Bronze Content: Our artist-grade white bronze is made from 100% recycled scrap metals and materials.

The producers of the metal do not buy scrap from industrial accounts. All of the scrap metal that is used in the production of the ingots comes directly from recycling yards and/or the general public.

MADE IN THE USA

- SVB hardware is 100% locally manufactured. No aspect of our process is outsourced overseas. With a growing awareness of our "carbon footprint," the most important "green" consideration is how far our product must travel before it reaches the consumer.
- The majority of our manufacturing equipment is made in the USA. Not only is this great for keeping local manufacturing alive, it means we exhaust fewer resources and emit less waste as we expand our business.

MANUFACTURING PROCESS

- Green sand is composed of olivine sand, bentonite clay and water. The patterns are placed in flasks and this mixture is compacted around them in preparation for the pouring. After the pour, the sand is dried out and reused - nothing is lost. Other versions of this sand mixture include motor oil. Sun Valley Bronze chooses to utilize a cleaner, greener sand casting process which is water based and completely reused from one casting to the next.

PATINAS

- Sun Valley Bronze hardware is finished with a mild acid similar in strength to vinegar. The hardware is hand-dipped into the patina solution, hand-rubbed and hand-waxed. The finishing solution is reused. All of the rinse is captured, water is boiled out of it after which it is neutralized and collected by a waste and recycling service.

OFFICE CULTURE

- Recycling has long been an important part of our company from the office to the workshop - paper, cardboard, plastics, aluminum, newspaper, magazines.
- All of the bronze used in our machining and casting operations is reclaimed and reconstituted into art grade-bronze, which we reuse in ingot form. The sand casting process we employ is water based and completely recycled from one casting to the next.



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ORDERING SUN VALLEY BRONZE

SUN VALLEY BRONZE DEALERS

The Sun Valley Bronze hardware collection offers unlimited combinations. Any knob, ring pull or lever can be combined with any of our wide range of escutcheon plates. Please contact the Sun Valley Bronze Dealer nearest you for information about our complete line of hardware.

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CUSTOM DESIGNS:

Sun Valley Bronze welcomes custom designs. We will try to accommodate any custom designs of door hardware or accessory items. Custom designs may incur design and/or pattern fees to be determined at the time of design approval.

Please submit dimensional drawings and specifications of custom designs via fax, mail, or email. We will determine feasibility and quote pricing based on your drawings and specifications. Any changes in dimensions and/or design must be made in writing and may incur additional charges.

All custom orders require a 50% deposit. This deposit is non-refundable once the order has been processed.

Sun Valley Bronze retains all ownership rights to custom designs and samples unless otherwise agreed upon in writing.

Revised 10/21/09



The oxidation process Sun Valley Bronze uses in creating patinas is an accelerated version of what would occur naturally over time. Repeated handling of the hardware will lead to the graceful wear of the patina. Sun Valley Bronze believes patina wear is an inherent quality of its hardware. Color variations and wear should be expected with any hand applied patina finish.

SILICON BRONZE	Color Range	Polished Natural - Brown - Dark Brown
----------------	-------------	---------------------------------------

- | | |
|----|---|
| S1 | Brushed silicon bronze. No patina applied. Color is light honey brown. This finish will naturally oxidize with age to a light reddish-brown with some green on exterior or high humidity installations. |
| S2 | Medium reddish-brown patina. Color will darken over time. |
| S3 | Dark brown patina. Similar to an oil-rubbed bronze finish. (Similar to US10B). |

WHITE BRONZE	Color Range	Polished Nickel - Pewter Grey - Black
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- | | |
|----|---|
| W1 | Brushed white bronze. No patina applied. Color is bright nickel-silver. |
| W2 | Medium pewter grey patina. (Similar to US15A). |
| W3 | Dark grey/black patina. |

CARING FOR PATINAS:

Bronze is naturally weather resistant, requiring very little maintenance and simple care. Sun Valley Bronze recommends cleaning bronze hardware with mild soap and water. Do not use abrasive or chemical-based cleaners, as they will abrade and degrade hardware surfaces. Apply several coats of high quality clear paste wax to protect the finish.

Revised 10/21/09



WARRANTY:

Sun Valley Bronze warrants a lifetime guarantee for its bronze hardware and bronze accessories to be free of defects in materials and workmanship. Patina finishes are not covered by this warranty. Sun Valley Bronze shall not be held liable for any indirect, special or consequential damages, including accident, misuse, abuse or improper installation. All Sun Valley Bronze hardware must be installed, removed and/or reinstalled by a professional hardware installer or all warranties are void. Any Sun Valley Bronze product that is returned to our foundry, accompanied by a proof of purchase, and is found by Sun Valley Bronze to be defective in materials or workmanship will be repaired or replaced. Sun Valley Bronze will assume no liability for any labor charges, freight, postage, or handling expenses relative to the return, removal, or reinstallation of any product. Internal mechanisms provided by Sun Valley Bronze but manufactured by companies other than Sun Valley Bronze, including locks and latches, are guaranteed for one year from the date of sale to the original user. This warranty is the sole and exclusive remedy.

WARRANTY RETURNS:

All warranty work must be pre-authorized by Sun Valley Bronze prior to return. A Return Goods Authorization (RGA) must be issued prior to any hardware being returned.

Tel: 208.788.3631

Toll Free: 866.788.3631

Fax: 208.788.1306

Ship To: Sun Valley Bronze, Inc.
706 South Main Street
Bellevue, ID 83313
Attn: Warranty Dept.

Revised 10/21/09



DOOR & GATE HARDWARE ABBREVIATIONS:

A - Arch Plate	K - Knob
AD - Active Dummy	KC - Key Cover
BAGL - Oversized Gate Latch	L - Lever
BH - Ball Hinge	LS - Lift & Slide
BHF - Finial	IML - Interior Mortise Lock
CMP - Complete Multi-Point	MB - Mortise Bolt
CMPW - Complete Multi-Point Window	ML - Mortise Lock
CS - Complete Set	NKC - No Key Cover
DB - Deadbolt	OH - Offset Hub
DBL - Double Pocket Doors	OP - Oval Plate
DH - D Handle	P - Plate
DI - Diamond Plate	PR - Privacy
EP - Entry Plate	PC - Profile Cylinder
ERC - Emergency Release Cover	PF - Patio Function
EXT - Exterior	PLD - Passage Latch/Deadbolt
F - Flipped Plate	PLMB - Passage Latch/Mortise Bolt
FA - Flipped Arch Plate	PP - Push Plate
FD - Full Dummy	RB - Reverse Bevel
FP - Flush Pull	RP - Round Plate
FR - Flap Ring	SD - Screen Door
FTPC - Flush Turn-piece	SL - Sliding Door
GH - Grip Handle	TPC - Turn-Piece
GL - Gate Latch	TS - Trim Set
HD - Half Dummy	US - US Cylinder
HH - Handle x Handle	
INT - Interior	

Revised 10/21/09



DOOR ACCESSORY ABBREVIATIONS:

BB - Cane Bolt
BBS - Cane Bolt Strike
BPG - Bi-Pass Door Guide
CB - Cremona Bolt
CBS - Cremona Bolt Strike
CL-R - Clavos-Round
CL-S - Clavos-Square
DK - Door Knocker
DRB - Door Bell
DS - Door Stop
ERK - Emergency Release Key
EXT - Exterior
GC - Gate Closer
HE - Hook and Eye
INT - Interior
KP - Kick Plate
MLST - Mail Slot
MSB - Mini Surface Bolt
MSBS - Mini Surface Bolt Strike
OSB - Oval Surface Bolt
OSBS - Oval Surface Bolt Strike
PP - Push Plate
SBP - Surface Bolt Pull
SEG - Speak Easy Grill
SH-ACT - Active Strap Hinge

SH-B - Strap Hinge-Bean
SH-C - Strap Hinge-Corner
SH-FDL - Strap Hinge-Fleur De Lis
SP - Sash Pull
SSB - Square Surface Bolt
SSBS - Square Surface Bolt Strike

WINDOW HARDWARE ABBREVIATIONS:

A - Arch Plate
CML - Casement Mirage Latch
CWC - Casement Window Crank
CWH - Casement Window Handle
CWL - Casement Window Latch
L - Lever
LH - Left Hand
MPW - Multi-Point Window
OP - Oval Plate
RH - Right Hand
SP - Sash Pull
WSL - Sash Lock

Revised 10/21/09



BATH, KITCHEN & MISC. ABBREVIATIONS:

AW - Toilet Paper Holder

BDL - Bridle Hook

BT - Bronze Tile

BTC - Bronze Corner Tile

CH - Coat Hook

CPR - Complete Pot Rack

DH - Refrigerator Pull

DI - Diamond Plate

EC - Electrical Covers

ESC - Escutcheon

FPB - Bronze Bell

GK - Gas Key

HASP - Hasp Latch

HB - Hand Rail Bracket

HN - House Number

HT - Hand Towel Bar

L - Points Left

MAWS - Free-Standing Toilet Paper Holder

OP - Oval Plate

P - Plate

POGR - Pull Out Garment Rod

PT - Paper Towel Holder

PR - Pot Rack Accessory

R - Points Right

RP - Round Plate

RTP - Robe/Towel Post

SD - Soap Dish

SLBT - Slide Bolt

STB - Solid Towel Bar

TB - Towel Bar

TBC - Towel Bar with Center Post

TR - Towel Ring

SINK & FAUCET ABBREVIATIONS:

KO - Knock-Outs

LF - Lavatory Faucet

OSR - Oval Self-Rimming

OUM - Oval Under-Mount

RD - Remote Drain

VS - Vessel Sink

WLF - Wall-Mount Lavatory Faucet

CABINET HARDWARE ABBREVIATIONS:

CK - Cabinet Knob

CKE - Cabinet Knob Escutcheon

SP - Sash Pull

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