Stay-Brite® Silver-Bearing Solders

FLUXES

Extremely versatile Stay-Brite® silver-bearing solders are widely used throughout the industry as a better-than-brazing method in many instances.

The important advantage of Stay-Brite® solders is the greater strength of the overall component after joining. Their lower working temperatures eliminate the weakening of the base metals caused by annealment from high brazing heat. The result is a sounder, stronger, more economical system.

Stay-Brite® silver-bearing solders have the same excellent affinity as Safety-Silv® to bond with all of the ferrous and nonferrous alloys (including stainless steel, nickel, copper, brass, etc.) and a considerably higher than necessary elongation for sound dissimilar metal joints and vibration applications. Stay-Brite® alloys range in temperature from 430°F to 535°F.

Stay-Brite® offers many advantages over silver brazing — Lowers material cost up to 66%; lowers temperature up to 66%; speeds production up to 400%; faster post cleaning, little metal distortion; elimination of oxide scale formed by heat; cadmium-free, nontoxic; acceptance by the National Sanitation Foundation.

MSDS THIS PAGE AVAILABLE

Stay-Brite® Properties:	
Composition	tin & silver
Solidus (melting point)	430°F
Liquidus (completely fluid)	430°F
Shear strength, copper sleeve joint in tension	14,000 psi
Elongation	48%
Electrical conductivity	16.4
Color	bright silver

Stay-Brite® 8 Properties:	
Composition	tin & silver
Solidus (melting point)	430°F
Liquidus (completely fluid)	535°F
Plastic range	105°F
Shear strength, copper sleeve joint in tension	15,000 psi
Elongation	48%
Electrical conductivity	17.1
Color	bright silver

Stay-Brite® 8 has a higher silver content than regular Stay-Brite®, effecting a plastic range of 105°F. Just above the melting point of 430°F, this alloy becomes somewhat fluid, but has a high surface tension useful in filling loosely-fitting couplings.

Flux: Use Stay Clean soldering flux for all metals other than the white metals.

Part No.			Part No.		
$31.94	SB11	Stay Brite - 1/32 x 1lb spool	**$33.94**	SB811	Stay Brite - #8 - 1/32 x 1lb spool
$31.44	SB21	Stay Brite - 3/64 x 1lb spool	**$33.44**	SB821	Stay Brite - #8 - 3/64 x 1lb spool
$29.99	SB31	Stay Brite - 1/1 6 x 1lb spool	**$31.99**	SB831	Stay Brite - #8 - 1/16 x 1lb spool
$29.94	SB51	Stay Brite - 3/32 x 1lb spool	**$31.94**	SB851	Stay Brite - #8 - 3/32 x 1lb spool
$29.39	SB61	Stay Brite - 1/8 x 1lb spool	**$31.39**	SB861	Stay Brite - #8 - 1/8 x 1lb spool
$7.85	SBSK	Stay Brite Solder Kit Brite® Solder Kit - 1/2 oz. coil with 1/2 oz. of Stay -Clean Flux.			

Now Available In a 1 oz. Paste Dispensing Syringe (Flux & Alloy mixed) Part #MG120PS $18.80 ea.

Soft Solder Alloy

UNI-1450A: A flux cored lead-free silver brazing alloy. Low melting temperature; tensile strength 15,000 psi; hiqh electrical conductivity excellent color match on stainless steel.

1/16" X 10' FLUX CORED SOLDER KIT

SOLDER A PAPER CLIP WITH A MATCH!

PLUMBING TIP

Can't turn the water completely off? Small drip? After preparing the joint surfaces, stuff bread into the pipe. This will temporarily absorb the flow until your job is done. The bread dissolves completely when you turn the water back on. (purge to clear lines)

SAFE FOR PLUMBING LEAD FREE

Bridgit® Lead-Free Solder

Price	*Part #*	*Description*	*Size:*
$14.50	BRGT31	Stay Safe Bridgit - 1/16 x 1lb spool	
$14.00	BRGT51	Stay Safe Bridgit - 3/32 x 1lb spool	
$13.50	BRGT61	Stay Safe Bridgit - 1/8 x 1lb spool	

***Flux:* Use with Bridgit® Burn-Resistant® Flux.**

Nickel-bearing Bridgit is the strongest lead-free solder developed for use on potable water systems. Bridgit caps like no other lead-free solder, and its wide plastic range of 170°F allows the operator to fill both tight and loose, nonconcentric connections with ease. The strength of a Bridgit joint far exceeds the burst pressure of copper tubing. Meets ASTM B32. Acceptance by the National Sanitation Foundation.