

CHEMTRONICS®

Technical Data Sheet

TDS # SWick

Soder-Wick® Desoldering Braid

PRODUCT DESCRIPTION

Soder-Wick® offers the state of the art in desoldering technology. Soder-Wick® is designed for today's heat sensitive electronic components using lighter mass, pure copper braid construction that allows for better thermal conductivity, even at low temperatures. Soder-Wick® responds faster than conventional desoldering braids thereby minimizing overheating and preventing PCB damage. A full range of sizes and flux types are available, including Rosin, No Clean, unfluxed and a high temperature Lead-Free version. Whatever the requirement, Soder-Wick® has the answer.

- Requires little or no post solder cleaning
- No corrosive residues
- Optimized construction for faster wicking and heat transfer
- Halide free
- Minimizes the risk of heat damage to components and circuit boards

TYPICAL APPLICATIONS

Soder-Wick® desoldering braid safely removes solder from:

- Thru-hole Components
- SMT Pads and BGA Pads
- Micro Circuits
- Terminals
- Lugs and Posts
- Identification Script

TYPICAL PRODUCT DATA AND PHYSICAL PROPERTIES

Flux Types:	Rosin Grade WW, Type "R" Patented No Clean High Temperature No Clean		
Specifications:	ANSI/IPC J STD-004 MIL-F-14256 F		
No Clean Flux Spec:	MIL-STD-883B Bellcore TR-NWT-000078 ANSI/IPC J SF818		
Shelflife:	2 years		
RoHS/WEEE Status			
Size #	Width Inches	Color	Width Metric
1	.030"	White	0.8mm
2	.060"	Yellow	1.5mm
3	.080"	Green	2.0mm
4	.110"	Blue	2.8mm
5	.145"	Brown	3.7mm
6	.210"	Red	5.3mm
BGA	-	Purple	-

STATIC DISSIPATIVE PACKAGING

Soder-Wick® SD is packaged on Static Dissipative bobbins in 5 and 10-foot lengths to minimize the risk of damage associated with static electricity. The static dissipative bobbins qualify as electrostatic discharge protective per MIL-STD-1686C and MIL-HDBK-263B, and meet the static delay rate provision of MIL-B-81705C.

Read MSDS carefully prior to use.

- 1) Choose a Soder-Wick® desoldering braid width equal to or slightly larger than the pad or connection.
- 2) Choose a solder iron tip equal to or slightly larger than the pad or connection.
- 3) Set temperature of iron between 600-750°F
- 4) Place wick on solder joint and place tip of hot iron on top of wick
- 5) As solder becomes molten, the color of the wick will change from copper to silver.
- 6) Remove wick and iron from solder joint simultaneously once color change has stopped.
- 7) The component lead / pad is now clean and free from solder.
- 8) Clip and discard the used portion of the wick.
- 9) If needed, clean PCB with CircuitWorks® Flux Remover Pen and remove soils with a ControlWipes™ absorbent wipe.

**SODER-WICK® IS DESIGNED TO MEET
OR EXCEED THE FOLLOWING:**

MIL-F-14256F, Type R
NASA-STD-8739.3
DOD-STD-883E, Method 2022
ANSI/IPC J STD-004, Type ROL0
BELLCORE TR-NWT-000078
ANSI/IPC J SF-818

**SODER-WICK® SD BOBBINS ARE
DESIGNED TO MEET OR EXCEED:**

MIL-STD-2000A
MIL-B-81705C
MIL-STD-1686C
MIL-HDBK-263B

TECHNICAL & APPLICATION ASSISTANCE

Chemtronics® provides a technical hotline to answer your technical and application related questions. The toll free number is: **1-800-TECH-401.**

AVAILABILITY

Series:

- | | |
|----|--|
| 40 | Soder-Wick [®] Lead-Free, SD Bobbin |
| 50 | Soder-Wick [®] Rosin |
| 80 | Soder-Wick [®] Rosin, SD Bobbin |
| 60 | Soder-Wick [®] No Clean, SD Bobbin |
| 70 | Soder-Wick [®] Unfluxed |
| 75 | Soder-Wick [®] Unfluxed, SD Bobbin |

VacuPakTM Packaging

The VacuPak Can contains ten five-foot bobbins in a vacuum sealed can. This package provides the highest level of cleanliness and freshness. Great for tool kit storage.

HELPFUL HINTS:

Water Soluble Users: Use Soder-Wick® Unfluxed 70 or 75 Series to dip in water soluble flux and then desolder normally.

Ball Grid Array: Use Soder-Wick[®] BGA with a large tipped iron to remove solder from a number of BGA pads all at once.

NOTE: This information is believed to be accurate. It is intended for professional end users having the skills to evaluate and use the data properly. ITW CHEMTRONICS® does not guarantee the accuracy of the data and assumes no liability in connection with damages incurred while using it.

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