

TacSil F20BP

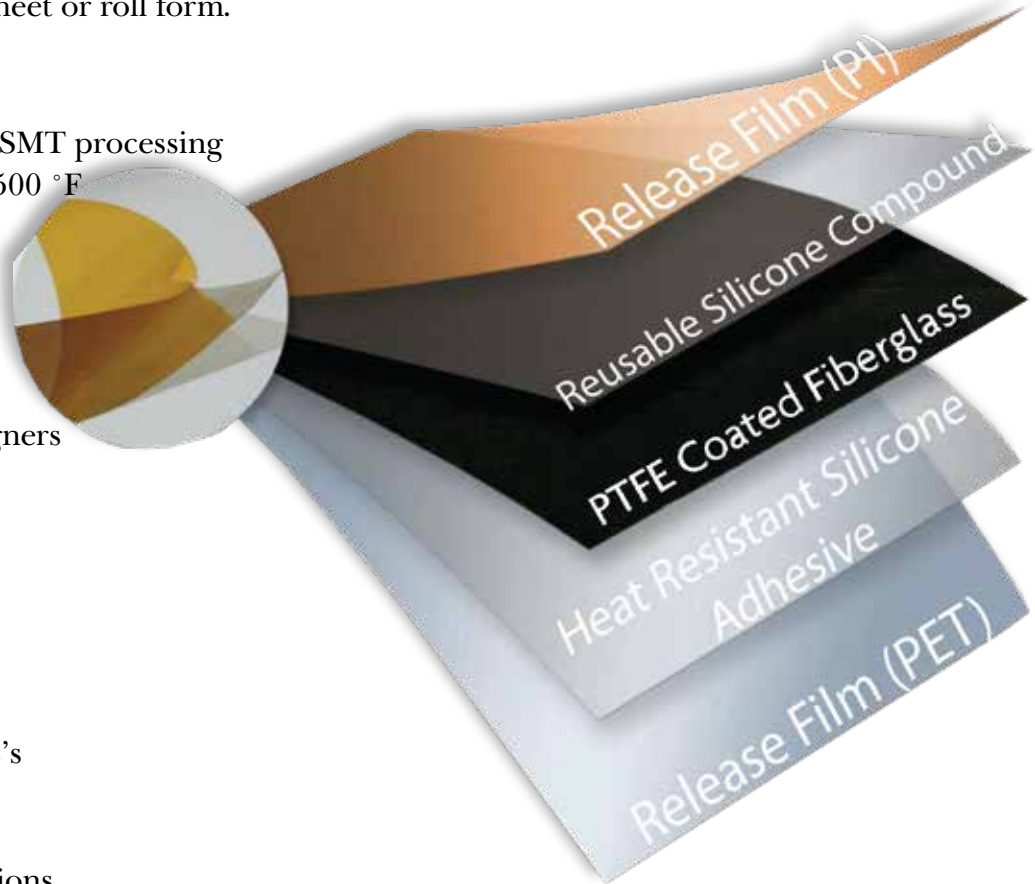
TacSil F20BP offers a cost effective solution to FPC assembly over conventional methods. Polyimide tapes, resin coated plates and double sided tapes can increase costs, lower productivity, contaminate and/or damage flexible circuitry, reduce print accuracy and create environmental issues. With TacSil F20BP, FPC assembly just got easier. TacSil is available in sheet or roll form.

Benefits:

- Performs more than 500 cycles in SMT processing
- Excellent dimensional stability at 500 °F
- Precise surface mounting
- No adhesive residue
- Superior surface flatness allows whole area fixation
- Excellent die-cut properties
- Provides flexibility to carrier designers
- Durable anti-static surface

Applications:

- SMT processing of flexible PCB's
- SMT processing of thin rigid PCB's
- Carrier of LCD assemblies
- Flip chip mounting process
- Various temporary fixing applications



TacSil	Thickness (mil)	180-deg peel adhesion (oz/in.)		Operating Temp Max °F	Shelf Life
		Active side	Mounting side		
F20BP	0.0050	1.0 +/- 0.2	25 minimum	500	12 months from D.O.M.
	ASTM D4969	ASTM D3330			

Lester T. Russell, the acknowledged inventor of the process for applying PTFE to fiberglass fabric, founded Taconic in 1961.

The company produces advanced engineered composite materials for use in diverse markets. Taconic is dedicated to quality, innovation and environmental safety.

Our talented R & D, engineering and multi-lingual sales support network assures success in solving our customers' application challenges around the globe.

OVER 60
YEARS of
innovation



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How to apply TacSil in SMT processing

If you use Durostone or aluminum boards, you will need to pre-age the Durostone or aluminum board itself before applying Tacsil in order to remove entrapped air within the board. Other material boards do not require pre-aging.

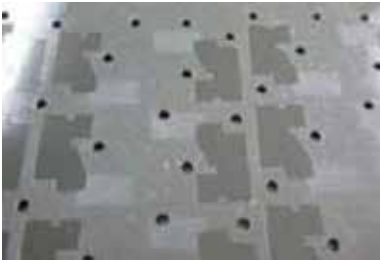
How to pre-age:

- Pre-age at 500 °F for more than 3 minutes or pass through SMT reflow chamber for one cycle.
- For Durostone boards, attach Tacsil to the Durostone 2 hours after pre-aging. For aluminum boards, attach Tacsil before the aluminum board cools below 100 °F.

1. Pre-age Durostone or aluminum carrier
2. Clean surface of carrier boards with alcohol
3. Carefully remove release liner from adhesive side (clear liner)
4. Attach adhesive side of Tacsil to board
5. Carefully remove release liner from silicone side (amber PI film liner)
6. Put FPC on the silicone surface

Cleaning

Proper cleaning can extend the life of TacSil; cleaning the active surface is recommended when the tack is no longer high enough to hold the FPCB. Surface contamination can be removed using the available cleaning roller (recommended) or with a soft cloth moistened with Ethanol. Ketones such as Acetone and solvents such as toluene and xylene are not recommended for cleaning.



(Surface contamination)

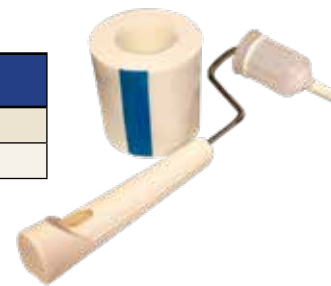


(Remove contamination)



(Cleaned surface)

Cleaning Product	Lot #	Item Description	Size
Handle	20150813	Cleaning Roller Handle	M
Roller Refill		Perforated Adhesive Cleaning Roller Sheet	80 mm x 20 m



Certificate Number 3083QMS001

Rev. 4-25

Storage Conditions

- Keep products away from direct UV exposure, oils and any other contaminants.
- Store at 73 °F +/- 4 °F, 50 +/- 2% RH in original packaging.

Rev. 3/25



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TACONIC
Finding a better way.



PCB on Tacsil



Fixing with rubber roll



SMT process



Reuse after occasional cleaning