

LEADERS IN SQUEEGEE TECHNOLOGY



The Pleiger Difference

As a manufacturer of custom molded polyurethane components and high-tech polyurethane squeegee materials, Pleiger Plastics strives for continual improvement.

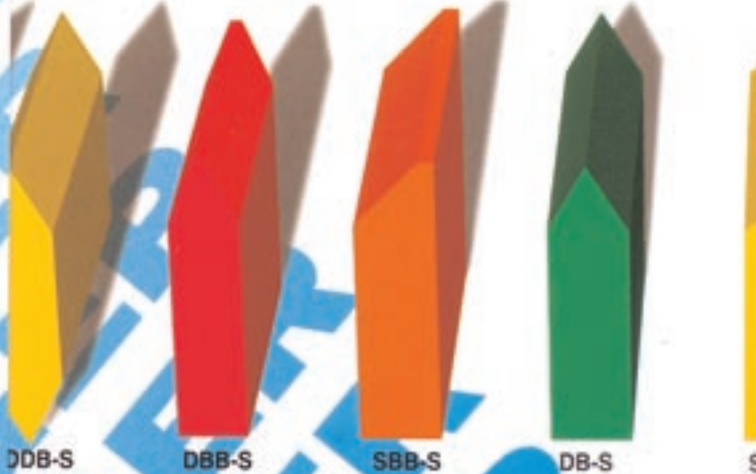
Solving problems for our customers with unique or common problems is always high on our priority list. This is the reason why Pleiger Plastics has a large spectrum of polyurethane compounds to offer. Depending on the application criteria, Pleiger Plastics can formulate polyurethanes that withstand swelling from chemical attacking inks and remain durable when printing on different substrates. All products are manufactured in our modern facility using the latest technology to assure quality and reliability from product to product. Pleiger's process ensures dimensional stability devoid of air intrusion and provides precise thickness control that is demanded by screen printers worldwide.

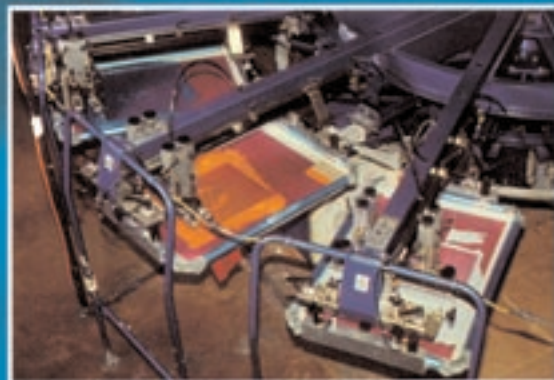
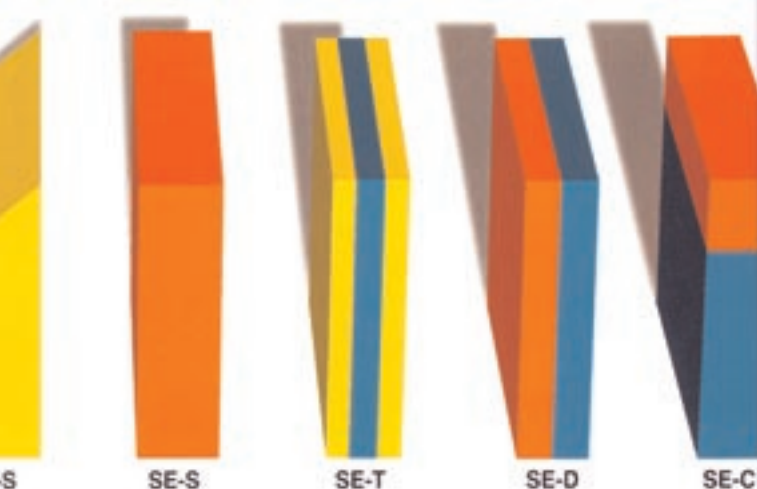
All Pleiger polyurethanes are marketed under the registered tradename Plei-Tech®.

Insist on Pleiger Squeegees for the Fine Art of Screen Printing.



Pleiger's modern Laboratory facility where Quality Control and Research and Development are conducted.





Squeegee Applications

CD - Compact Disc printing requires a close tolerance, solvent resistant squeegee. Pleiger Plastics' polyurethane squeegees are ideal for these applications. Our squeegees offer these printers close tolerances, sharp edges, and squeegees that are free of surface defects for maximum repeatability.

Bottle - Bottle printing often requires a sharp edge for high definition on a wide variety of substrates. Pleiger Plastics offers many bevel profiles to meet the demands of any bottle printer. Whether printing with Plastisol, conventional, UV, or Hot Melt inks, we can provide a squeegee to meet your most challenging demands. Our bevel profiles provide the printer with a sharper edge for exceptional ink deposit and maximum definition.

Graphics - The Graphics market is a very diverse segment of the screenprinting industry. Like this market, Pleiger Plastics is also very diverse; we can combine any of our profiles along with a Plei-Tech® polyurethane compound formulated to work with any ink or substrate combination. We offer our solvent and abrasion resistant squeegees in single durometers for simple jobs, or multi-durometer squeegees for complex four-color process or half-tone jobs.

PCB - The Printed Circuit Board industry requires a squeegee with close tolerances that can perform in a high speed environment. Our solvent resistant formulations of Plei-Tech® outperform other squeegees in this application. These squeegees are formulated to exhibit minimum swelling and high abrasion resistance, which makes them ideal for this type of printing.

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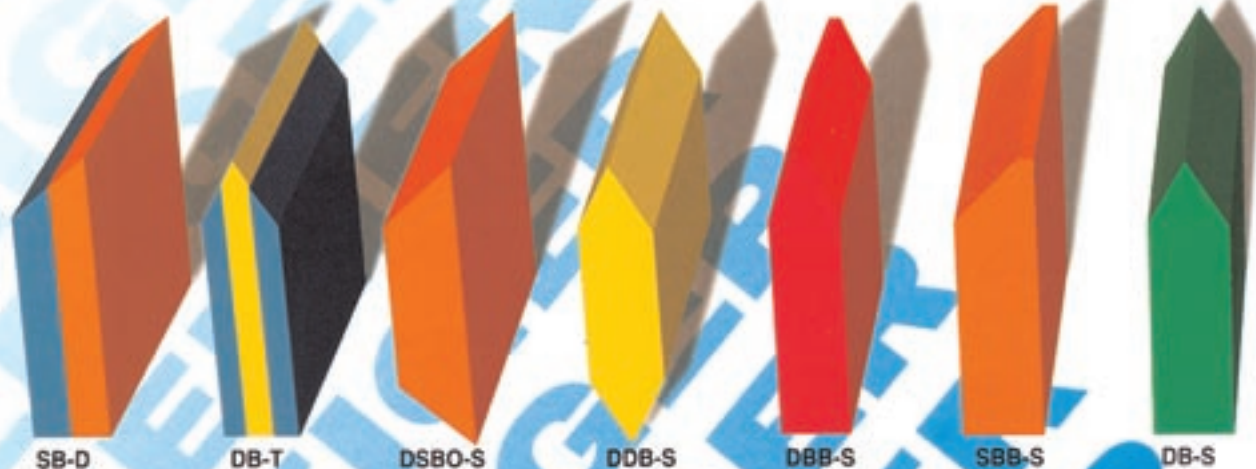


**LUCKY
BONNIE
RAIT**
the DRAW



La Grapella





SB-D

DB-T

DSBO-S

DDB-S

DBB-S

SBB-S

DB-S

SB-D Single Bevel-Dual Durometer

Excels in container printing using high mesh counts with high screen tension. The 90 durometer backing supports the softer print edge, which allows increased squeegee pressure for maximum control.

Available in 60/90 and 70/90 hardnesses.

Standard angles are 22.5, 30, and 45 degrees.

DB-T Double Bevel-Triple Durometer

This fully supported bevel provides maximum control under maximum pressure in cylindrical printing.

Available in 90/60/90 and 90/70/90 hardnesses.

Standard angles are 45, 60, and 90 degrees.

DSBO-S Double Single Bevel Opposite-Single Durometer

Provides the printer with two print edges for container printing.

Available in 70A to 95A hardnesses.

Standard angles are 22.5, 30, and 45 degrees.

DDB-S Double Double Bevel-Single Durometer

The two sharp edges provide maximum control for printing on a wide variety of cylindrical substrates.

Available in 70A to 95A hardnesses.

Standard angles are 45, 60, and 90 degrees.

DBB-S Double Bevel Blunt-Single Durometer

Allows for increased squeegee angle while maintaining the sharp edge for maximum ink shear on multiple substrates.

Available in 70A to 95A hardnesses.

Standard angles are 45, 60, and 90 degrees.

The blunt edge is 1 to 3mm.

SBB-S Single Bevel Blunt-Single Durometer

Allows for increased squeegee angle while maintaining the sharp edge for maximum ink shear on cylindrical substrates. Works well with higher viscosity inks.

Available in 70A to 95A hardnesses.

Standard angles are 22.5, 30, and 45 degrees.

The blunt edge is 1 to 3 mm.

DB-S Double Bevel-Single Durometer

The sharp edge provides excellent control for printing on a wide variety of cylindrical substrates.

Available in 70A to 95A hardnesses.

Standard angles are 45, 60, and 90 degrees.

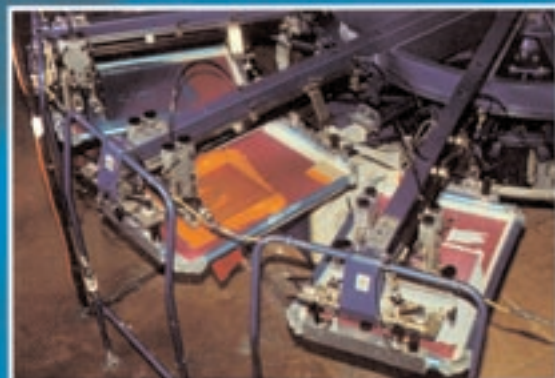
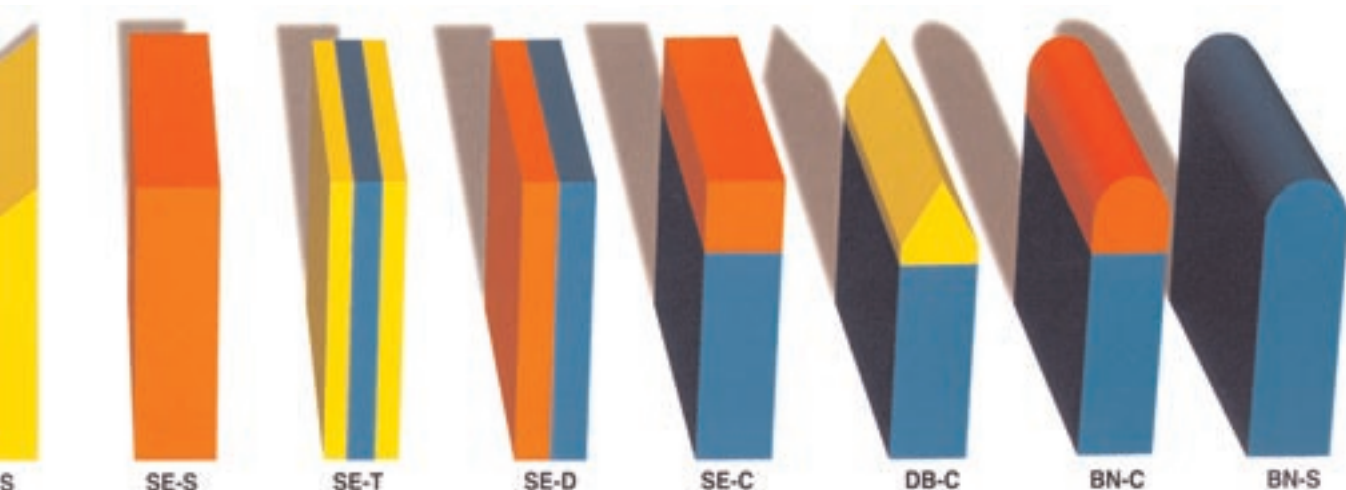
SB-S Single Bevel-Single Durometer

Conforms easily to irregular surfaces while maintaining excellent ink deposit. Widely used in container printing and with high viscosity inks.

Available in 70A to 95A hardnesses.

Standard angles are 22.5, 30, and 45 degrees.





SE-S Square Edge-Single Durometer

Our most common squeegee profile, used in a wide variety of printing applications on many different substrates. Generally, for more porous substrates, softer durometers should be used. Smoother substrates require harder durometers.

Available in 60A to 95A hardnesses.

SE-T Square Edge-Triple Durometer

The 90 durometer center provides maximum support for the two softer print edges. This is an exceptional tool for printing on high mesh counts with elevated screen tensions. Excels in printing four-color process work or half-tone jobs on automatic presses.

Available in 60/90/60 or 70/90/70 hardnesses.

SE-D Square Edge-Dual Durometer

The 90 durometer backing provides a fully supported squeegee that doesn't flex or roll over for excellent ink shear. The softer print edge allows for good ink deposit.

Available in 60/90 or 70/90 hardnesses.

SE-C Square Edge-Composite

A soft print tip is bound to a 90 durometer base. This eliminates blade rollover and squeegee vibration on high speed automatic presses.

Available in 90/50, 90/60, and 90/70 combinations.

Not available in all compounds.

DB-C Double Bevel-Composite

A soft, sharp print tip bonded to a 90 durometer shaft. Ideal for printing on cylindrical substrates in high speed printing presses.

Available in 90/50, 90/60, and 90/70 combinations.

90 degree angle only.

Not available in all compounds.

BN-C Bull Nose-Composite

A soft, round tip bonded to a 90 durometer shaft. Provides a partially supported squeegee with a rounded tip that does not shear the ink off the screen. An exceptional tool for printing puff ink, or any jobs that require a heavy ink deposit on automatic printing presses.

Available in 90/50, 90/60, and 90/70 combinations.

Not available in all compounds.

BN-S Bull Nose-Single Durometer

The rounded tip is exceptional for heavy ink deposits required for printing white inks on dark substrates, or puff inks. This profile is designed to work in manual applications.

Available in 50A, 60A and 70A hardnesses.

Not available in all compounds.



Plei-Tech® Squeegees

A critical aspect of screen printing is how well the squeegee can resist swelling when exposed to inks and harsh solvents.

Plei-Tech® squeegees are available in a variety of polyurethane compounds formulated to perform in the diverse world of screen printing.

UV, epoxy, enamel, vinyl, and other solvent based inks are extremely harsh on squeegee blades. Inferior squeegees tend to swell at an accelerated rate due to their inability to resist harsh solvents. Plei-Tech® squeegees are recommended because of their chemical resistance and exceptional abrasion resistance when exposed to high solvent content inks.

Plastisol and water base inks have a lesser effect on squeegees, and therefore, do not require a superior grade of squeegee. For printers using these inks, Plei-Tech® offers the option of color coding for easy hardness identification by the printer. Pleiger's squeegees are available in a multitude of squeegee profiles designed to meet the exacting demands of your screen printing application.



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