

SFC, LLC
 172 North Plains Industrial Road
 Wallingford, CT 06492, USA
 P. 203.907.9554
 Email: info@sfc dental.com
 Website: www.sfc dental.com



Splint-S
Resin Impregnated Glass Fiber
2MM Braided
3MM Braided
3MM Uni--Axial

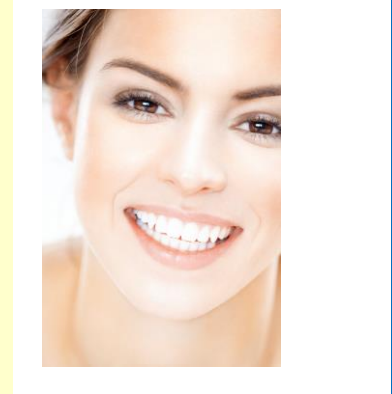
Splint-S strips are made with dental resin, reinforced by high performance glass fibers. It simplifies the splinting process by providing pre-impregnated fibers that are properly wetted by the resin, and no need to apply resin during the process. The fiber surfaces are chemically modified to enhance the bonding between fibers and resin, and to provide better hydrolytic stability.

Applications:

1. To stabilize loose teeth by joining together with the adjacent teeth
2. To reinforce temporary crown and bridge
3. Ideal for denture repair:
 - Increases fracture toughness and limits crack propagation
4. To maintain space during orthodontic treatments

Features:

1. Pleasant esthetics, light cure-able
2. Easy adaptation into interproximal areas
3. Superior strength and excellent bonding
4. Reinforced by high modulus glass fibers
5. Compatible with resin composites



Technical Data:

Property	Test Method	Braided	Uni-Axial
Flexural Strength (MPa)	ISO 10477	300	600
Flexural Modulus (GPa)	ISO 10477	18	22
Fiber content (weight %)	Ash Test	≥ 50	≥ 50
Water Absorption (µg/mm ³)	ISO 10477	<32	<32
Water Solubility (µg/mm ³)	ISO 10477	<5	<5

Data are typical, may vary based on cure conditions. For specific Lot, please contact info@sfc dental.com.

Comparative Study:

An independent study showed that Splint-S has higher flexural strength and modulus compared to two leading competitive splinting products.

Splint Product	Flexural Strength (MPa)	Flexural Modulus (GPa)
Splint-S: 3MM Uni-Axial	504 ± 32	22.1 ± 1.8
Splint-S: 2MM Braided	514 ± 68	24.6 ± 1.6
everStick C&B	362 ± 44	15.4 ± 3.7
Ribbon Original	105 ± 21	0.7 ± 0.2

Neha Solanki, Joseph Flask and David Berzins, "Flexural Property Comparison between Splint Materials", Marquette University School of Dentistry, Milwaukee, WI. Abstract# 1624, AADR/CADR Annual Meeting, Fort Lauderdale, FL, 2018.

everStick is the product of GC America, Inc., Alsip, IL.

Ribbon Original is the product of Ribbon, Inc., Seattle, WA.

Repair of Denture Crack:

The acrylic of a fixed interim denture fractured, due to cantilever on the distal area. The denture was successfully repaired using Splint-S (2MM Braided). A trough was made on both buccal and lingual sides in the acrylic. The Splint-S product was applied at different angles to facilitate better stress distribution. *Photos – Courtesy of Dr. David Fried.*

