Reference Guide

Crack Repair and Structural Epoxy Injection

SIMPSON Strong-Tie

CI-SLV™

Super Low-Viscosity Epoxy

- Low surface tension to penetrate narrow cracks
- Usable as a flood coat

Viscosity
72°F (22°C) = 150 cP
90°F (32°C) = 85 cP

Cure Time
72°F (22°C) = 9 hrs.

ASTM C881
Type I/IV; Grade 1; Class C

Usage Temperature
60°F–90°F (16°C–32°C)

Crack Width
0.002–0.25 (0.05 mm–6 mm)

Pot Life
50°F (10°C) = Not Recommended
72°F (22°C) = 20 minutes
90°F (32°C) = 5 minutes

Cured Color Clear **Ratio** 2:1

CI-LV™

Low-Viscosity Epoxy

- Low surface tension to penetrate narrow cracks
- Usable as a flood coat

NSF Certified to NSF/ANSI 61

Viscosity
50°F (10°C) = 1,500 cP
72°F (22°C) = 350 cP

Cure Time
72°F (22°C) = 6¼ hrs.

ASTM C881
Type I/II; Grade 1; Class B
Type I/IV and II/V; Grade 1; Class C

Usage Temperature
40°F–90°F (4°C–32°C)

Crack Width
0.002–0.25 (0.05 mm–6 mm)

Pot Life
50°F (10°C) = 100 minutes
72°F (22°C) = 25 minutes
90°F (32°C) = 10 minutes

Cured Color Dark Amber **Ratio** 2:1

CI-LV FS™

Low-Viscosity Epoxy Fast-Setting

- Low surface tension to penetrate narrow cracks

Viscosity
50°F (10°C) = 2,000 cP
72°F (22°C) = 600 cP

Cure Time
72°F (22°C) = 4 hrs.

ASTM C881
Type I/II; Grade 1; Class B
Type I/IV and II/V; Grade 1; Class C

Usage Temperature
40°F–90°F (4°C–32°C)

Crack Width
0.016–0.25 (0.4 mm–6 mm)

Pot Life
50°F (10°C) = 28 minutes
72°F (22°C) = 10 minutes
90°F (32°C) = Not Recommended

Cured Color Amber **Ratio** 2:1

CI-LPL™

Long Pot Life Epoxy High-Temperature

- Low surface tension at elevated temperature to penetrate narrow cracks
- Usable at temperatures up to 110°F (43°C)

Viscosity
72°F (22°C) = 2,000 cP
90°F (32°C) = 750 cP

Cure Time
95°F (35°C) = 4 hrs.

ASTM C881
Type I/IV; Grade 2; Class C

Usage Temperature
60°F–110°F (16°C–43°C)

Crack Width
0.016–0.25 (0.4 mm–6 mm)

Pot Life
50°F (10°C) = Not Recommended
72°F (22°C) = 60 minutes
95°F (35°C) = 20 minutes

Cured Color Amber **Ratio** 2:1

CI-GV™

Gel Viscosity Epoxy

- Pick-proof sealant
- Decreased viscosity under pressure for maximum penetration

Viscosity
50°F (10°C) = Non-Sag
72°F (22°C) = Non-Sag

Cure Time
72°F (22°C) = 6 hrs.

ASTM C881
Type I/II; Grade 3; Class B
Type I/IV and II/V; Grade 3; Class C

Usage Temperature
40°F–90°F (4°C–32°C)

Crack Width
0.094–0.25 (2.4 mm–6 mm)

Pot Life
50°F (10°C) = 55 minutes
72°F (22°C) = 19 minutes
90°F (32°C) = 8 minutes

Cured Color Concrete Gray **Ratio** 2:1

Cartridge Dispensing Tools

ADT30S
32 oz. cartridge manual dispensing tool

ADTA30P
32 oz. cartridge pneumatic dispensing tool

Injection Ports

EIF-EZ
E-Z-Click™ injection fitting

EIP-EZA
E-Z Click flush-mount injection port

EIPX-EZ
E-Z Click drilled-in/corner-mount injection port

Paste-Over Material

CI-PO™
Paste-over epoxy

CIP-F
Flexible paste-over adhesive

ETR
Paste-over epoxy

For more information, full Technical Data Sheets are available at **strongtie.com/crackrepair**.

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