The Public Health and Safety Organization

NSF Product and Service Listings

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NSF/ANSI/CAN 61
Drinking Water System Components - Health Effects

NOTE: Unless otherwise indicated for Materials, Certification is only for the Water Contact Material shown in the Listing. Click here for a list of Abbreviations used in these Listings. Click here for the definitions of Water Contact Temperatures denoted in these Listings. Products certified to NSF/ANSI/CAN 61 comply with the health effects criteria in NSF/ANSI/CAN 600.

Simpson Strong-Tie Company

5956 West Las Positas Boulevard
Pleasanton, CA 94588
United States
800-999-5099

Facility : West Chicago, IL

Joining and Sealing Materials

Trade Designation	Size	Water Contact Temp	Water Contact Material
Adhesives			
AT-XP	[1]	CLD 23	ACR
AT-XP10	[1]	CLD 23	ACR
AT-XP13	[1]	CLD 23	ACR
AT-XP30	[1]	CLD 23	ACR
ET-3G	[2]	CLD 23	EPOXY
ET3G10	[2]	CLD 23	EPOXY
ET3G22	[2]	CLD 23	EPOXY
ET3G56	[2]	CLD 23	EPOXY
SET-3G	[2]	CLD 23	EPOXY
SET-XP	[2]	CLD 23	EPOXY
SET-XP22	[2]	CLD 23	EPOXY

[1] Certified for a maximum exposed surface area of 25 sq. in./1000 gal.
[2] Certified for a maximum exposed surface area of 216 sq. in./1000 gal.

Sealants			
CI-LV	[3]	CLD 23	EPOXY
CI-PO	[3]	CLD 23	EPOXY
CILV32	[3]	CLD 23	EPOXY
CILV3KT	[3]	CLD 23	EPOXY
CIPO32	[3]	CLD 23	EPOXY
CIPO3KT	[3]	CLD 23	EPOXY
ET-3G	[2]	CLD 23	EPOXY
ET3G10	[2]	CLD 23	EPOXY
ET3G22	[2]	CLD 23	EPOXY
ET3G56	[2]	CLD 23	EPOXY
SET-3G	[2]	CLD 23	EPOXY
SET-XP	[2]	CLD 23	EPOXY
SET-XP22	[2]	CLD 23	EPOXY

[2] Certified for a maximum exposed surface area of 216 sq. in./1000 gal.
[3] Certified for a maximum surface area of 568 square inches per 1000 gallons. Mix ratio 2:1 (Resin:Cure).

Protective (Barrier) Materials

Trade Designation	Water Contact Size Restriction	Water Contact Temp	Water Contact Material
Coatings - Fittings[1]			
Simpson Strong-Tie Composite Strengthening System	>= 1"	CLD 23	EPOXY

[1] Product is applied in multiple layers with Layers 1,2, and 3 optional:
Protective (Barrier) Materials
Layer 1: CSS-ES Epoxy Primer and Saturant apply 10 wet mils maximum. Mix ratio of Part A to B is 2:1 by volume. Mix with a drill and mixing paddle until uniformly blended (5 minutes at 500 rpm). Apply 1 coat.
Layer 2: CSS-EP Paste Filler apply 40 wet mils maximum. Mix ratio of Part A to B is 2:1 by volume. Mix with a drill and mixing paddle until uniformly blended (5 minutes at 500 rpm). Apply 1 coat.
Layer 3: CSS-CUGF27 Fabric saturated with CSS-ES Epoxy Primer and Saturant (follow mixing instructions above). Apply with maximum thickness of 50 mils. It is permitted to place Layer 3 between layers of carbon fabric (Layers 4+).
Layer 4+: CSS-CUCF11, CSS-CUCF22, or CSS-CUCF44 Fabric saturated with CSS-ES Epoxy Primer and Saturant (follow mixing instructions above). Apply 1 - 10 layers with a maximum thickness of 20 mils per layer of CSS-CUCF11, 40 mils per layer of CSS-CUCF22, or 80 mils per layer of CSS-CUCF44.
Saturation rate for fabrics: 1 gallon per 75 square feet of CSS-CUCF11; 1 gallon per 50 square feet of CSS-CUCF22; 1 gallon per 50 square feet of CSS-CUGF27; and 1 gallon per 25 square feet of CSS-CUCF44.
Final cure time is 72 hours at 70°F after application of final layer. There is no cure between the application of layers.

Coatings - Pipe[2]			
CSS V-Wrap 770	36-312"	CLD 23	EPOXY

[2] Product is applied in 5 layers:
Combine the contents of V-Wrap 770-A pail and V-Wrap 770-B pail together and mix for 3 minutes using a mixer speed of 400-600 RPM until
uniformly blended. Transfer the mixed epoxy into the other pail and mix for an additional 2 minutes.
Layer 1: 10 wet mils of V-Wrap 770 resin. Mix ratio of V-Wrap 770 resin part A:B is 100:33 by weight.
Layer 2: 40 wet mils of thickened V-Wrap 770 resin. Thickened V-Wrap 770 is achieved by adding fumed silica to the resin at a maximum ratio of 1.5
parts fumed silica to 1 part resin by volume.
Layer 3: 8 coats of V-Wrap EG50 or V-Wrap EG50B Fabric saturated with V-Wrap 770 resin. The thickness of each coat/layer of fabric is 50 mils.
Layer 4: 8 coats of V-Wrap C100H, V-Wrap C200H, or V-Wrap C400H Fabric saturated with V-Wrap 770 resin. The thickness of each coat/layer of fabric is 90 mils.
Layer 5: 40 wet mils of thickened V-Wrap 770 resin. Thickened V-Wrap 770 is achieved by adding fumed silica to the resin at a maximum ratio of 1.5
parts fumed silica to 1 part resin by volume.
The final cure time and temperature is 24 hours at 75°F. There is no cure time required between the application of layers.

Coatings - Pipe - Immediate Return to Service[1]			
Simpson Strong-Tie Composite Strengthening System	>= 60"	CLD 23	EPOXY

[1] Product is applied in multiple layers with Layers 1,2, and 3 optional:
Protective (Barrier) Materials
Layer 1: CSS-ES Epoxy Primer and Saturant apply 10 wet mils maximum. Mix ratio of Part A to B is 2:1 by volume. Mix with a drill and mixing paddle until uniformly blended (5 minutes at 500 rpm). Apply 1 coat.
Layer 2: CSS-EP Paste Filler apply 40 wet mils maximum. Mix ratio of Part A to B is 2:1 by volume. Mix with a drill and mixing paddle until uniformly blended (5 minutes at 500 rpm). Apply 1 coat.
Layer 3: CSS-CUGF27 Fabric saturated with CSS-ES Epoxy Primer and Saturant (follow mixing instructions above). Apply with maximum thickness of 50 mils. It is permitted to place Layer 3 between layers of carbon fabric (Layers 4+).
Layer 4+: CSS-CUCF11, CSS-CUCF22, or CSS-CUCF44 Fabric saturated with CSS-ES Epoxy Primer and Saturant (follow mixing instructions above). Apply 1 - 10 layers with a maximum thickness of 20 mils per layer of CSS-CUCF11, 40 mils per layer of CSS-CUCF22, or 80 mils per layer of CSS-CUCF44.
Saturation rate for fabrics: 1 gallon per 75 square feet of CSS-CUCF11; 1 gallon per 50 square feet of CSS-CUCF22; 1 gallon per 50 square feet of CSS-CUGF27; and 1 gallon per 25 square feet of CSS-CUCF44.
Final cure time is 72 hours at 70°F after application of final layer. There is no cure between the application of layers.

Coatings - Tank[1]

Coatings - Tank[1]			
Simpson Strong-Tie Composite Strengthening System	>= 6,000 gal.	CLD 23	EPOXY

[1] Product is applied in multiple layers with Layers 1,2, and 3 optional:
Protective (Barrier) Materials
Layer 1: CSS-ES Epoxy Primer and Saturant apply 10 wet mils maximum. Mix ratio of Part A to B is 2:1 by volume. Mix with a drill and mixing paddle until uniformly blended (5 minutes at 500 rpm). Apply 1 coat.
Layer 2: CSS-EP Paste Filler apply 40 wet mils maximum. Mix ratio of Part A to B is 2:1 by volume. Mix with a drill and mixing paddle until uniformly blended (5 minutes at 500 rpm). Apply 1 coat.
Layer 3: CSS-CUGF27 Fabric saturated with CSS-ES Epoxy Primer and Saturant (follow mixing instructions above). Apply with maximum thickness of 50 mils. It is permitted to place Layer 3 between layers of carbon fabric (Layers 4+).
Layer 4+: CSS-CUCF11, CSS-CUCF22, or CSS-CUCF44 Fabric saturated with CSS-ES Epoxy Primer and Saturant (follow mixing instructions above). Apply 1 - 10 layers with a maximum thickness of 20 mils per layer of CSS-CUCF11, 40 mils per layer of CSS-CUCF22, or 80 mils per layer of CSS-CUCF44.
Saturation rate for fabrics: 1 gallon per 75 square feet of CSS-CUCF11; 1 gallon per 50 square feet of CSS-CUCF22; 1 gallon per 50 square feet of CSS-CUGF27; and 1 gallon per 25 square feet of CSS-CUCF44.
Final cure time is 72 hours at 70°F after application of final layer. There is no cure between the application of layers.

Number of matching Manufacturers is 1
Number of matching Products is 28
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