

# TOUGH ENOUGH TO TRUST



## Trenwa Fibrelite Covers Material Specifications

[www.trenwa.com](http://www.trenwa.com)    [www.fibrelite.com](http://www.fibrelite.com)



Property	Test Method	Test Result
H2O Loading	AASHTO M306-10	Passed > 40,000 lbs
TIER 15	ANSI/SCTE 77 2013	Passed > 22,500 lbs
Compressive Strength	ASTM C-170 D6641 / D695	Min. 17,000 psi
UV Radiation	ASTM G-53	No visible change
UV Radiation	ASTM G-154	No visible change
Water Absorption	ASTM C-97 / D5229	None
Specific Gravity	ASTM C-97 / D792	150lb/ft <sup>3</sup> 2.40
Fire Resistance	ASTM E-84	Passed
Slip Resistance	ASTM E303	Passed
Freeze/Thaw Resistance 1000 Cycles	ASTM C-666	No change
Kerosene	ASTM D-543	Passed
Transformer Oil	ASTM D-543	Passed
Sodium Chloride	ASTM D-543	No significant change
Sodium Chloride 5%	ASTM D-543	No significant change
Sulfuric Acid 0.1N	ASTM D-543	No significant change
Sodium Hydroxide 0.1N	ASTM D-543	No significant change

## New Covers Designed For Trenwa

Following increasing demand for replacements for previously installed metal and concrete covers, Trenwa and Fibrelite have worked together to design and manufacture custom molded FRP composite trench covers to fit Trenwa's precast concrete trench systems. These new composite trench covers are engineered specifically for vehicular H20, TIER 15 and Pedestrian loadings.

## Lasting Strength, Customized Solutions And Proven Performance

Trenwa works closely with each customer to design a custom trench system that is the optimum solution for their needs. Many clients specify Trenwa for critical & complex projects because of the depth of their experience and decades of reliable service.



## Recent Project | Utility Provider, USA

Leading US utility providers specify Trenwa road crossing trenches incorporating Fibrelite covers to protect and allow easy safe access to underground cabling at new electrical substations.

Read the full case study at:

<https://www.fibrelite.com/portfolio/utility-provider-usa/>



## Valued Partner You Can Trust

Founded in 1962, Trenwa has supplied more than 20,000 projects with over \$250 million of precast trench and utility products. With Trenwa's unrivaled experience and focus on one core product, they are the leading producer of precast trenches in North America. Unlike their competition, Trenwa's H20 lids have been tested to the AASHTO M-306-10 standard for proof load testing.

## Trenwa And Fibrelite's Thriving Partnership

Precast concrete trench systems are used extensively in infrastructure to protect and provide easy access to underground services. As composite adoption grows, Trenwa has extended their product lines to offer trenches incorporating custom Fibrelite FRP trench covers.

Trenwa has partnered with Fibrelite since 2014 resulting in substantial growth in sales by combining their inexpensive precast trench bases with Fibrelite high performance covers.

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