

## We are a full service distributor. New Infrastructures, Replacement & Rehabilitation.

Novinfra offers innovative solutions for water infrastructures, specialized in corrosion resistant solutions for wastewater, drainage and potable water systems.

Based in Montreal, Canada, we work with partners from all over the world to provide sustainable solutions.

We offer 100+ year pressure and non-pressure pipe design life.

## SUPERLIT FRP Pipes & Fittings

Finding the best solutions for our infrastructures means thinking differently and adopt new ways, for a better future.

SUPERLIT is a family business was founded more than 60 years ago and has an important role in the Turkish municipal and industrial sector. The company has been designing and manufacturing FRP pressure and non-pressure pipes, and fittings for more than 20 years.

SUPERLIT is one of the most important FRP pipes manufacturer in the world. They have 2 manufactures based in Turkey with total average pipe manufacturing capacity of 625 miles. Thanks to the high quality of their products and their dedicated service, SUPERLIT FRP pipes and fittings have been approved and installed in many continents: Europe, Africa, Asia, Australia, South America.

### Manufacturing Processes

1. Centrifugal Casting (CC)
2. Continuous Filament Winding (CFW)
3. Helical Filament Winding (HFW)



### Fiberglass Reinforced Polyester (FRP)

1. Polyester Resin\*
2. Fiberglass
3. Sand

\*in case of special design isophthalic and vinyl ester resin can be used



### Dimensions & Specs.

Section Lengths<sup>1</sup> → 20 & 40 feet  
Available Diameter → DN 12 – 160 inches  
Stiffness Class<sup>2</sup> → SN 18, 36 & 72 Psi  
Pressure Class<sup>3</sup> → PN 15 – 464 Psi

- <sup>1</sup> Custom designed lengths available  
<sup>2</sup> Plus Jacking Pipes and greater value  
<sup>3</sup> Greater value possible



### Sewer & Stormwater

- Trunk sewer lines
- Stormwater lines & outfalls
- Wastewater or stormwater storage units
- Bridge drainage
- Sewer collectors & interceptors
- Force mains
- Subsea water lines

### Potable & Clean Water

- Water main
- Water transmission line
- Rehabilitation of water line (sliplining)
- Storage tank
- Tunneling (jacking pipe)
- Aboveground water line
- Cooling water lines

### Mining, Industrial & Other

- Industrial effluents
- Chemical process lines
- Chemical storage tanks
- Irrigation
- Desalination plant
- Hydro-power plant
- Retention systems
- Petroleum tanks

## You can count on us every step of the way



Superlit's complete  
product catalogue

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# 10 Reasons to Use SUPERLIT FRP Pipe



## 100+ Design Life

- Dig once
- Long service life (LCCA)
- Low maintenance service life

## Lightweight

- 1/4 of steel pipes & 1/10 of concrete pipes
- DN3000 /6/5000 = 900 kg/m
- DN4000 /6/5000 = 1600 kg/m

## Flow Capacity

- Smooth inner surface all service life
- Hazen-William (C) = 150
- Manning katsayısı (n) = 0,009
- Colebrook-White (k) = 0,012

## Corrosion Resistance

- No coating required (inner or outer)
- Resistant for a wide of PH Range

## Standards

- ✓ BNQ and ASTM D3517 (water supply)
- ✓ BNQ and ASTM D3262 (wastewater)
- ✓ ANSI / NSF61
- ✓ ASTM D3754
- ✓ ASTM D3839 (installation)
- ✓ ISO 23856 (water supply & waste water)
- ✓ ISO 25780 (jacking)
- ✓ AWWA C 950 (water supply)



## Easy Installation

- Adjustment on the field
- Push on coupling systems
- Require no special equipment for handling and mounting

## Leak-free joints

- Full face FRP couplings coated completely by EPDM sealing
- Integrated seal to the coupling

## Installation Methods

- Direct bury
- Aboveground
- Trenchless (sliplining)
- Jacking (microtunneling)



## Cost Effective

- Minimal maintenance
- Installed cost reduction
- Pipe can be nested for transportation cost reduction

## Consistent Quality

- Controlled production process & inhouse quality testing (ISO/IEC 17025:2017)
- Quality control performed in plant resulting in minimal intervention on site

## FRP Fittings

- Elbows
- Flanges
- Reducers
- Tee pieces
- Maintenance holes
- Special design

## Design Adaptability

- Engineered material
- Pipes can be designed according to fluid characteristics and external loads

## Surge Pressure Absorption

- Designed to absorb 40% of the surge pressure without increasing the pressure class
- Bi-axial pipes with fully restraint joints design

## FRP Full-Face Coupling Types

- Integrated flexible
- Locked
- Slip on
- Jacking (flush)

