

# PRO-PLUS®

## Trench Drain System

PRO-PLUS® Trench Drains are manufactured using glass-fiber reinforced polyester (GRP) pressed from sheet molding compound (SMC), which is a composite of polyester resin, mineral fillers and glass-fiber mats. SMC/GRP is a unique material for trench drains and offers many advantages to conventional trench drains available in the industry.

The unique properties allow for less thermal expansion to prevent shape distortion caused by extreme temperatures. It can withstand hot/cold weather fluctuations and high fluid temperatures.

- ✓ Lighter, stronger and expands and contracts in extreme temperature ranges less than polymer concrete
  - 1.5 times Stronger
  - 70% Lighter
  - 1.7 times less thermal expansion
- ✓ SMC/GRP is unmatched with greater compressive, flexural and tensile strength
- ✓ Less thermal expansion properties than polymer concrete, polypropylene, or high density polyethylene
- ✓ SMC/GRP is an innovative material and superior to all other trench channel materials






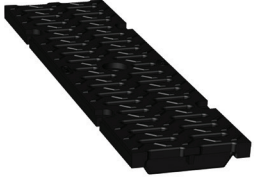


PRO-PLUS® Trench Drains are perfect for applications such as sidewalks, swimming pools, shopping areas, parking lots, loading docks, commercial kitchens, breweries, airports, and other building facilities.



### Advantages of the innovative SMC/GRP material

- Shatterproof and extremely resistant to abrasion
- Frost, heat and rust-resistant
- Lightweight
- Withstands fluid temperatures of 212°F continuous & 394°F intermittent
- Non-porous structure with a smooth surface
- Resistant to chemicals, oil, gasoline, hot asphalt and tartaric acid
- Non-flammable
- Free of halogens, asbestos and toxic heavy metals
- Capable of being formed into complex shapes
- An excellent cost / performance material
- Recyclable
- Complies with UL 94 HB Fire Rating

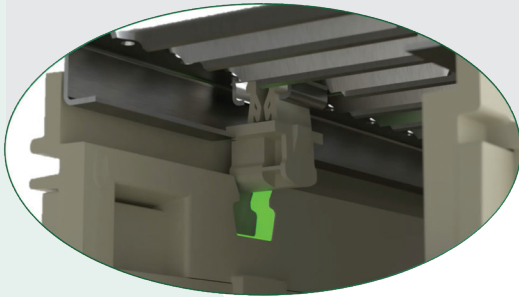
## GRATE OPTIONS

Stainless Steel	Ductile Iron	Galvanized Steel
		
Available in Perf., Slotted, Mesh, Bar, & Decorative ADA/HP Compliant Load Classes A-C	Available in Slotted & Longitudinal Slotted ADA/HP Compliant Load Classes C-F	Available in Perforated & Slotted ADA/HP Compliant Load Classes A-C
GRP	HDPE	Vinylester Bar
		
Available in Slotted ADA/HP Compliant Load Classes A-C	Available in Perforated ADA/HP Compliant Load Class A	Vinylester Bar ADA/HP Compliant Load Class A

Various Grates are available for Load Classes A to F in PRO-SNAP®, Locking-Bar, or Bolt-Down locking styles.

**PRO-SNAP®** – The innovative grate securing system without bolts

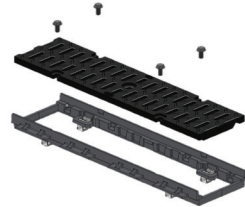
Simple & fast insertion and removal of grates with a single hand movement without the need for special tools



### Locking-Bar Securement



### Bolt-Down Securement (Requires DI Rail)



**PRO-PLUS®** channels have been successfully tested through load class E without the need for a ductile iron rail (unless when using hard wheel forklifts or scissor lifts).

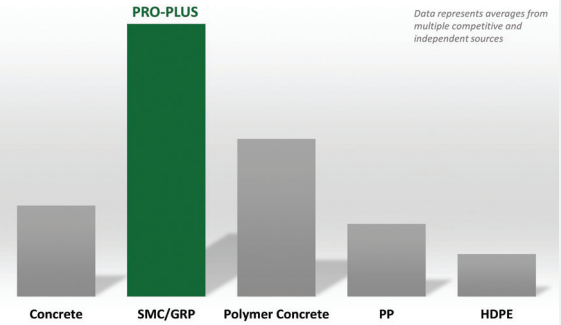
### PRO-PLUS® Channels

- Molded Rebar Supports
- Bottom outlets every ½ meter
- With/Without Slope
- 39.4" and 19.7" lengths
- 4" and 8" nominal interior widths
- Easy to handle and install

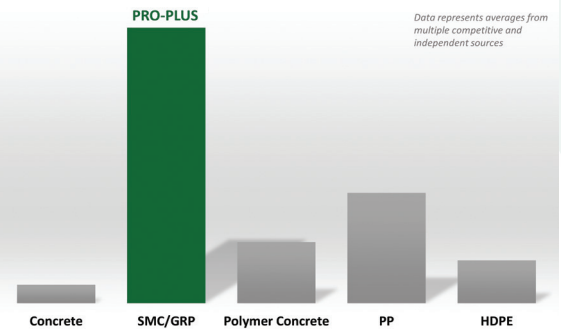
**PRO-PLUS®** has been tested with proven results showing the advantages of SMC/GRP and why it's in a class by itself.

The Compressive, Tensile, and Flexural Strength, substantially exceeds other trench drain materials.

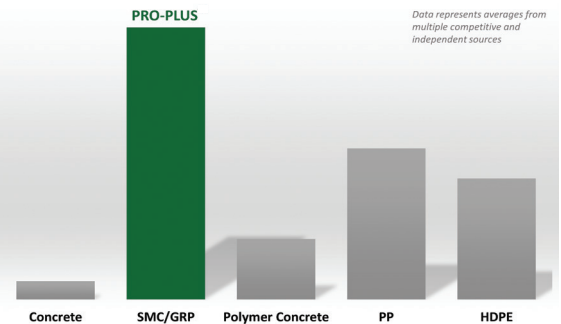
#### COMPRESSIVE STRENGTH



#### FLEXURAL STRENGTH

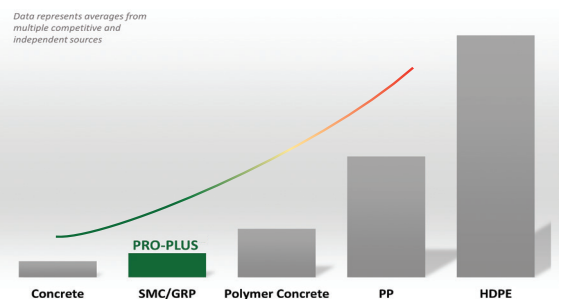


#### TENSILE STRENGTH



The unique properties of the channels allow for considerably less thermal expansion than polymer concrete, polypropylene, and HDPE.

#### THERMAL EXPANSION



A **WATTS** Brand

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