

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 of PRO-PLUS™ 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.



Key advantages of the innovative SMC/GRP material

- Shatterproof and extremely resistant to abrasion
- Frost, heat and rust-resistant
- Lightweight
- Non-porous structure with a smooth surface
- Resistant to chemicals
- Resistant to 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
- When using high-temp accessories, it can withstand fluid temperatures of 212°F continuous and 394°F intermittent




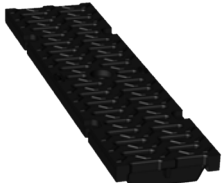




Labor Saving PRO-PLUS™ Trench Drain Solutions



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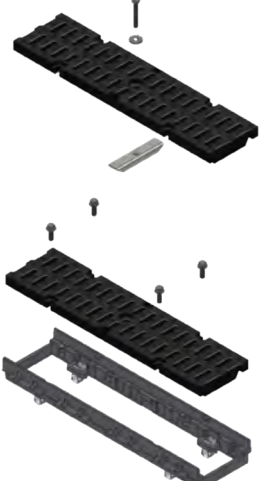
GRATE OPTIONS

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

Various Grates are available for Load Classes A thru 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/scissor lifts).

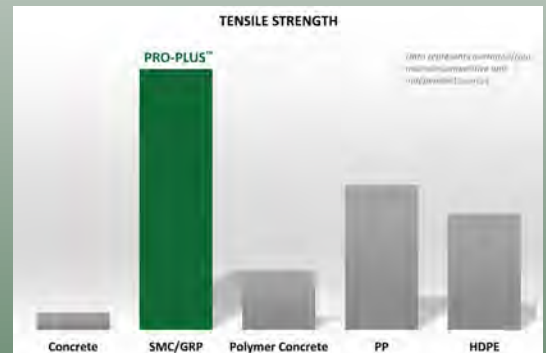
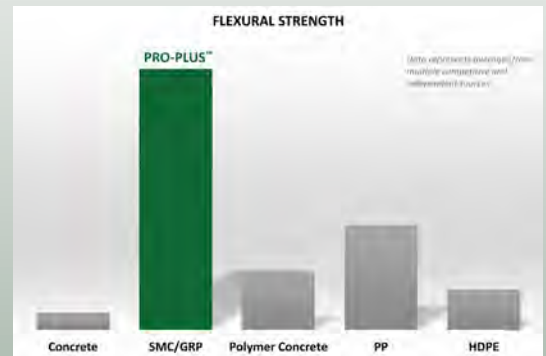
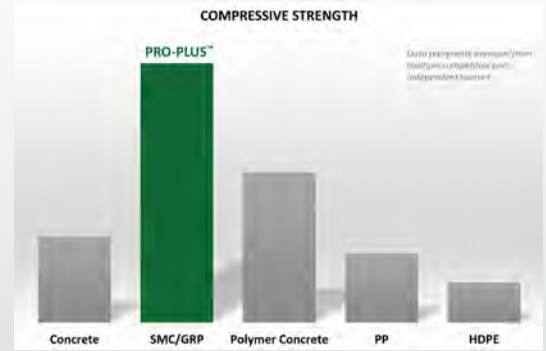


PRO-PLUS™ Channels

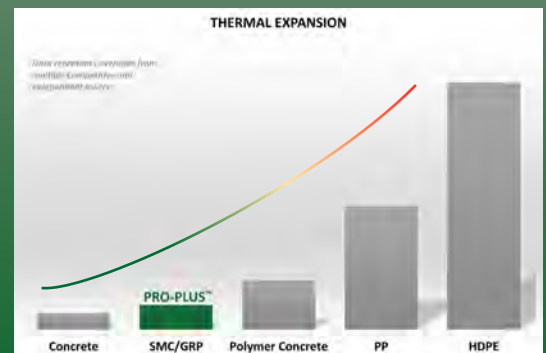
- Rebar supports molded to channels
- Bottom outlets every 1/2 meter
- With/Without Slope
- 39.4" and 19.7" lengths
- 4" and 8" nominal interior widths
- Easy to handle and install

The PRO-PLUS™ Trench Drain System 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 materials such as concrete, polymer concrete, polypropylene, and HDPE.



The unique properties of the PRO-PLUS™ trench drain system allow for considerably less thermal expansion than polymer concrete, polypropylene, and high-density polyethylene.



To learn more about the PRO-PLUS™ Trench Drain System contact your local Josam Representative or visit www.josam.com



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