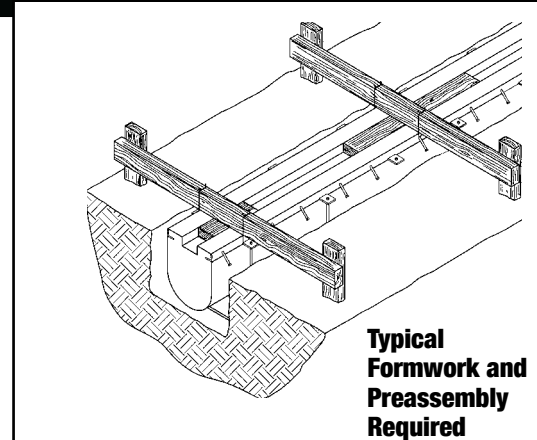
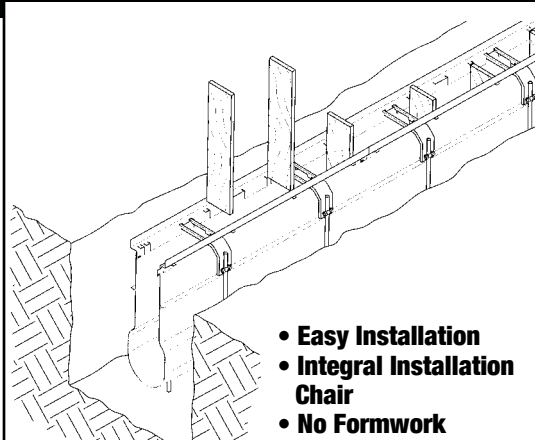


# COMPARE

## POLYCAST® 3000 vs. Styrofoam Trench Forming Systems



POLYCAST® 3000 is the first and only pultruded trench drain system on the market today. The pultrusion process allows the channel to maintain a consistently high glass content for a strong, durable channel.

The unique bulb-shaped design of POLYCAST® 3000, combined with the continuous 1% slope, provides the largest flow capacity of any similar presloped trench drain on the market today.

POLYCAST® 3000 offers:

- **Low Water Absorption** - Water absorption of less than 1% assures resistance to freeze/thaw damage
- **Fast Installation** - Installation rates in excess of 100 linear ft/hr and more
- **Superior Manufacturing Process** - ISO-9001 manufacturing plant
- **Unique Channel and Frame Design** - Patent pending

### Should you use POLYCAST® 3000 or a styrofoam trench forming system for your next project?

Features of both POLYCAST® 3000 and styrofoam trench forming systems are compared on a point-for-point basis on the back of this page. See for yourself why POLYCAST® 3000 is the right choice for your next trench drain project.

## COMPARE

## POLYCAST® 3000 Pultruded FRP Trench Drain System

VS.

## Styrofoam Trench Forming Systems

<b>PREPARATION</b>	POLYCAST® 3000 requires <b>no additional form work</b> or preparation. Simply attach the frame to the channel and begin installation.	<b>Extensive form work and assembly</b> Preparation and assembly for 30' of trench could take as long as two hours.
<b>INSTALLATION</b>	<b>Install up to 100 linear ft/hr.</b> - Quick installation saves time and money. Frame design includes installation chair, no preassembly needed. Integral steel installation chair allows easy channel placement, grade adjustment and locks POLYCAST® 3000 into the concrete.	<b>Install 15-18 lineal ft/hr.</b> Slow and complex preassembly, form work and installation adds time and cost to the project.
<b>CONCRETE POUR</b>	Integral installation system provides for concrete encasement in a single pour (lift) without floating.	Styrofoam has a strong tendency to float out of fresh concrete. Two separate concrete pours are required - adding time and cost to project.
<b>POST CURING PROCESS</b>	All parts of the POLYCAST® 3000 system remain part of the trench for the life of the trench drain system. No materials to remove, dispose of or recycle.	Styrofoam beadboard sticks to cured concrete and is difficult to remove. Additional labor cost and disposal fees to remove and dispose of styrofoam and forms.
<b>CHANNEL FRAME DESIGN</b>	Specially engineered <b>frames are completely embedded in concrete.</b> <b>Vent slots in the frame prevent trapped air</b> under the grating ledge. Loads are transferred directly into the surrounding concrete for <b>uniform load distribution.</b>	Difficult to completely encase frame in concrete without excessive vibration. Trapped air pockets under grating frame do not transfer loads and cause stress risers. Trapped air and sand pockets can result in premature frame and channel failure.
<b>CHEMICAL RESISTANCE</b>	Very resistant to most chemicals. Corrosion Resistance Chart available for specific chemical resistance.	Bare concrete trench has poor resistance to chemicals.
<b>TRENCH DESIGN</b>	<b>More than 3000 GPM (6.73 cfs) flow capacity.</b> The POLYCAST® 3000 unique bulb-shaped design and vertical side walls allow for a strong channel with a large flow capacity.	<b>Flow capacity varies</b> based on concrete roughness and size of trench.
<b>GRATING</b>	Grating options include gray iron, fiberglass and stainless steel in 8" wide, 48" (4 ft.) long sections.  Weight: Gray Iron Slotted (Heavy Duty) - 18 lbs. per lineal ft.	Grating options include cast iron, ductile iron and galvanized steel in 12" wide, 18" long sections.  Weight: Slotted Cast Iron Grate (Heavy Duty) - 40 lbs. per lineal ft.
<b>MANUFACTURING PROCESS</b>	<b>Pultrusion</b> process allows channel to be produced with a high glass content - <b>56% glass by weight.</b> <b>UV inhibiting surface veil</b> - Pultruded with surfacing veil for additional protection from UV damage. <b>Manufactured in ISO-9001 certified plant</b> - Consistent parts every time.	Inconsistent quality, dependent on skill and experience of individual installer. Occasional field fabrication required.

## THE CHOICE! POLYCAST® PRESLOPED TRENCH DRAIN SYSTEM!



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