

# FATS, OILS AND GREASE. AND I'M JUST GETTING STARTED.

Nearly everyone enjoys a cheeseburger now and then, but the grease that enters our wastewater systems from restaurants can eventually clog a sewer system. That's where precast concrete grease interceptors can help.

Precast concrete grease interceptors efficiently remove fats, oils and greases from the waste stream by bringing the water to acceptable effluent standards before discharging it into a sanitary sewer system.

Easy to maintain and large enough to hold considerable amounts of grease, precast grease interceptors allow for sufficient retention time making it a product that you can rely on.

Get more details and see a gallery of precast concrete solutions at [www.precastsolutions.org](http://www.precastsolutions.org).

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## WHY PRECAST CONCRETE?

### BUILT TOUGH

The strength of precast concrete gradually increases over time. Other materials can deteriorate, experience creep and stress relaxation, lose strength and/or deflect over time. The load-carrying capacity of precast concrete is derived from its own structural qualities and does not rely on the strength or quality of the surrounding backfill materials. Precast concrete grease interceptors can easily support vehicular loads typically found near food service establishments, allowing for convenient placement under a parking lot.

### IT'S ALL ABOUT THE QUALITY

Because precast concrete products are manufactured in a controlled plant environment, they exhibit high quality and uniformity. Problems affecting quality typically found on a job site – temperature, curing conditions, craftsmanship and material quality – are nearly eliminated in a plant environment. Precast concrete products manufactured in a quality-controlled environment and installed with high-quality sealants offer a superior solution to watertightness requirements. Standard watertight sealants are formulated to adhere to precast concrete, making watertight multiple-seam precast concrete structures routine.

### READY WHEN YOU ARE

With thousands of manufacturers throughout North America, precast concrete products can be ordered from plants in most cities or regions. Since precast structures are manufactured in advances and stored at the plant, they are readily available when needed at the job site. This ensures competitive pricing and a ready supply, which can save days, weeks or even months on a project compared with cast-in-place concrete and other materials.

### NASTY WEATHER? NO PROBLEM

Precast concrete increases efficiency because weather will not delay production in the plant. In addition, weather conditions at the job site do not significantly affect the schedule. Conversely, forming and placing of concrete in cast-in-place applications can result in significant delays due to poor weather conditions.



### EASY TO MAINTAIN

Unfortunately a small minority of interceptors are not properly maintained. With the addition of a high-tech monitoring system information such as oil and solid levels, liquid levels and temperature can be recorded, allowing an optimized maintenance schedule to be developed. Monitoring systems are preinstalled and tested in a controlled plant environment adding to overall project cost savings.

### HEAVYWEIGHT CHAMPION

With a specific gravity of 2.40, precast concrete products resist the buoyant forces associated with underground construction. In comparison, fiberglass has a specific gravity of 1.86 and high-density polyethylene (HDPE) has a specific gravity of 0.97.

### GOOD FOR THE PLANET

Precast concrete is non-toxic, environmentally safe and made from all-natural materials, making it an ideal material for use underground. Concrete has no proven ill effects on groundwater and surface water quality. Specially designed sealants and rubber gaskets ensure that all pollutants are contained within the interceptor.

### GO AHEAD, PROVE IT

Large outdoor grease interceptors are the best method to pretreat kitchen wastewater. Only large outdoor interceptors can provide maintenance accountability because of their reliance on third party maintenance contracts. When a third party provides maintenance, you have a paper trail to show compliance with local ordinances. This assurance does not exist for self-maintained, under-the-sink grease removal systems.

### FOR THE HEALTH OF IT

Outdoor interceptors provide a level of health safety that indoor units simply cannot provide. By conducting the collection, maintenance and disposal of grease outside of the kitchen area, outdoor interceptors eliminate the health concerns created by performing these functions in the same workspace as food preparation.

Precast concrete grease interceptors are the best choice for effective removal of fats, oils and grease. Only properly sized outdoor type grease interceptors provide acceptable effluent quality. Precast concrete grease interceptors are easily produced to be watertight, durable during storage and transportation, easy to install and provide a healthy food service environment.

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