

Precast Concrete Grease Interceptors by: KISTNER CONCRETE PRODUCTS INC.
PRECAST CONCRETE GREASE INTERCEPTORS
Solutions by: Kistner Concrete Products, Inc.

Specifications:

- 1.) Precast Concrete Grease interceptors as Manufactured by Kistner Concrete Products, Inc.
- 2.) Producer shall be certified by the National Precast Concrete Association (NPCA) Plant Certification Program. Manufacturer shall be certified at the time of bidding.
- 3.) Producer shall be PCANY – Approved Tank Manufacturer. See: pcany.org (Precast Concrete Association of New York)
Manufacturer shall be approved at the time of bidding.
- 4.) Producer shall be currently listed as an approved Manufacturer for the NYSDOT. Approved Manufacture must be listed on the nysdot.gov website - “Approved Materials list “.
Manufacturer shall be approved at the time of bidding.
Products will conform to NYSDOT Spec. 704-03 - PRECAST CONCRETE – GENERAL.
- 5.) All Products shall meet ASTM C 1613 Latest Rev.

Shapes and Sizes:

- 1.) Interceptors are to be precast concrete tanks meeting: ASTM – Per Plan, Segmental or monolithically cast sections are desirable with min. wall thickness of 3” Non-Traffic & 6” Traffic.
- 2.) Internal Dimensions: Per plans.
- 3.) Roof, Base and Wall thickness to be determined by manufacturer.

Joints:

- 1.) Each section shall have a male and female shiplap joint or tongue & groove with a minimum of 1/2” thickness.
- 2.) Each section shall be sealed with a 1/2” or 1” depending on tank, Butyl rubber joint gasket supplied with shipment.

Engineered Drawings:

- 1.) Shop drawings showing layout of sections.

Codes and Standards:

The Interceptor Tanks shall meet the following codes and standards:

Material Properties and Design Loads:

- 1.) Minimum Concrete Compressive Strength: 4,000 PSI @ 28 days
- 2.) Steel Reinforcement: ASTM A615-75, Grade 60.
- 3.) Entrained Air: 5% - 9%.

Soil Data:

- 1.) Unit Weight of Soil: 120 PCF
- 2.) Unit Weight of Concrete: 150 PCF
- 3.) Lateral Earth Pressure: 60 PCF max, 30 PCF min.

Loading Data:

- 1.) Loading:
Non Traffic: 100 lbs PSF.
Traffic: AASHTO H20, HS20, HS25. - As per project requirement.
- 2.) Earth Cover: Maximum 3’-0” Non-Traffic. Notice: All tanks buried > 3’ Cover must be Traffic Loading.

Reinforcement Coverage:

- 1.) Unless noted otherwise all concrete cover over reinforcing steel shall be 1” minimum on the walls, floor slab and roof slab.

This specification is presented as guide only. The project designer is responsible for specifying Interceptors to meet project requirements.

Kistner Concrete Products, Inc. design and production capabilities include, but are not limited to the above outlined specification. Please call our estimating and design staff to assist you in your project planning. Thank you for specifying Kistner Concrete Products, Inc.