

# SUBMITTAL — AB&I Foundry

## TY–SEAL Gaskets



### Hub & Spigot TY–SEAL Compression Gaskets

| Size | Unit Weight | Carton Qty | Carton Wt |
|------|-------------|------------|-----------|
| 2    | .3          | 60         | 18        |
| 3    | .4          | 40         | 16        |
| 4    | .6          | 40         | 24        |
| 5    | 1.2         | 30         | 35        |
| 6    | 1.4         | 30         | 40        |
| 8    | 1.6         | 20         | 34        |
| 10   | 2.0         | 10         | 22        |
| 12   | 2.5         | 10         | 28        |
| 15   | 3.8         | 10         | 40        |

#### Description

TY–SEAL is a one piece compression gasket. It is used for joining hub & spigot cast iron soil pipe and fittings made according to ASTM A 74.

#### Gasket Material

TY–SEAL gaskets are made of Neoprene® as the sole elastomer. The physical characteristics of the Neoprene ensure that the gasket will not decay or deteriorate from contact with effluents in the pipe or chemicals in the soil or air around the pipe.

#### Gasket Specification

TY–SEAL gaskets conform strictly to ASTM Standard C 564, latest issue. The TY–SEAL mil specifications meet or exceed all requirements.

#### Pipe Specification

Hub & Spigot cast iron soil pipe and fittings comply with the latest issue of ASTM A 74, ANSI A 112.5.1 and Federal Specification WW-P–401 E.

#### Joint Characteristics

TY–SEAL gasket joint will not leak even if deflected as much as 5° or when subjected to vibration, seismic tremors, expansion, contraction, external or internal test pressure.

#### Quality Control

Company laboratory tests ensure than finished gaskets conform to all specifications.

#### Availability of Products

Cast iron soil pipe and TY–SEAL gaskets are sold through recognized plumbing distribution channels.

#### Plumbing Codes

National plumbing codes and government agencies now provide for gasket joints.

#### Documents

Certificates and reports validating all statements contained herein will be supplied on written request.

#### SUGGESTED SPECIFICATION:

All 2" through 15" hub & spigot cast iron soil pipe and fittings shall conform to ASTM A 74; joints shall be made either by caulked lead and oakum or by compression gaskets such as TY–SEAL which conform to ASTM C 564.



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## Physical Properties of TY–SEAL Gaskets

| Physical Property   | Test Method   | Performance Requirement   |
|---|---|---|
| Hardness, durometer A<br>Tensile Strength<br>Elongation Break<br>Tear Resistance  | ASTM D 2240<br>ASTM D 412<br>ASTM D 412<br>ASTM D 624 (Die C) | 70 ± 5 points<br>1500psi maximum<br>250% minimum<br>150 pounds per lin. inch, minimum |
| Resistance to Heat Aging<br>Change in original properties<br>after 96 hours at 158°F<br>Hardness<br>Elongation<br>Tensile Strength        | ASTM D 573  | ± 10 points, maximum<br>-20% maximum<br>-15% maximum                                  |
| Resistance to Oil Aging<br>Change to volume after<br>70 hours immersion in<br>ASTM Oil No. 3 at 212°F                                     | ASTM D 471  | 80% maximum   |
| Resistance to Ozone<br>Condition after exposure to<br>150 pphm ozone in air for<br>100 hours at 140°F (40°C)<br>(sample under 20% strain) | ASTM D 1149   | No cracks   |
| Resistance to permanent set<br>Compression set after<br>22 hours at 158°F<br>Compression set after<br>22 hours at 14°F                    | ASTM D 395<br>(Method B)<br><br>ASTM D 1229                   | 25% maximum<br>60 maximum   |

## Installation Sequence

