



**CITY OF AUSTIN
STANDARD PRODUCTS LIST
for
FIBERGLASS PIPE FOR WASTEWATER**

USING DEPARTMENT: Austin Water **PREPARED BY:** Bill Flynn, P.E. **ISSUED:** 04/01/92
REVISED BY: Jeff A. Kyle, P.E. **REVISED:** 07/01/22

DESCRIPTION: Glass-fiber-reinforced polymer mortar pipe; cast centrifugally or with continuously advancing mandrel; for gravity wastewater applications; 24” – 96” diameter; made of thermosetting polyester resins, aggregates, and fiberglass and meeting the following requirements:

1. Pipe shall meet ASTM D3262, with Cell Designation 111 or 123 and minimum stiffness of 72 lbf per inch of length per inch of deflection (psi)
2. Fittings shall meet ASTM D3840
3. Joints having elastomeric seals shall meet ASTM D4161
4. Gaskets shall meet ASTM F477

LISTING DATE	MANUFACTURER	PRODUCT IDENTIFICATION/COMMENT	APPROVAL
01/01/96	HOBAS USA, INC. 1413 Richey Road Houston, TX 77073.	Hobas Pipe (OD-controlled) ISO certified (see Note 3)	W. Flynn
07/01/12	THOMPSON PIPE GROUP (formerly US Composite Pipe South) 1003 MacArthur Blvd. Grand Prairie, TX 75050	Flowtite Pipe (ID-controlled) ISO certified (see Note 3)	R. Lamb
07/01/22	FUTURE PIPE INDUSTRIES INC. 11811 Proctor Road Houston, TX 77038	Fiberstrong FRP (OD-controlled) ISO certified (see Note 3)	J. Kyle

NOTES:

1. This SPL does not apply to jacking pipe.
2. Project engineer shall submit structural analysis as required by TCEQ §217.53(k).
3. As a part of the project submittal, the manufacturer must provide one of the following a) evidence of current ISO registration, b) evidence that Austin Water approved the manufacturer’s quality control program prior to bidding project, or c) evidence that Austin Water approved the manufacturer’s independent, third-party quality control firm prior to bidding project.
4. Deflection testing is required following installation and shall be conducted after final backfill has been in place at least 30 days. A rigid mandrel shall be used. Mandrel sizes are as follows:

Nominal Diameter, inches	95% Mandrel Diameter, inches	
	OD-Controlled Pipe	ID-Controlled Pipe
24	23.25	23.53
30	28.88	29.22
36	34.60	34.99
42	40.25	40.64
48	45.97	46.41
54	51.69	52.61



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Nominal Diameter, inches	95% Mandrel Diameter, inches	
	OD-Controlled Pipe	ID-Controlled Pipe
60	56.96	56.34
72	68.31	66.25
78	73.96	73.61
84	78.87	80.96
90	85.50	N/A
96	90.22	88.32

LATEST REVISIONS (since 10/1/19):

1. Added Future Pipe Industries Inc.