

SureLok[®] ST

THE PERFORMANCE YOU EXPECT. THE INNOVATIONS YOU NEED.

With over 110 years experience, Hancor has provided expert knowledge and innovative product solutions proven in a wide range of field drainage applications. Our HDPE pipe delivers superior value while providing physical strength and structural design that just cannot be matched by metal or concrete.

Sure-Lok ST pipe is perfect for storm water applications: retention/detention systems; culverts; cross, slope or edge drains. Other uses include golf courses, sports playing fields, or parking lot drainage.

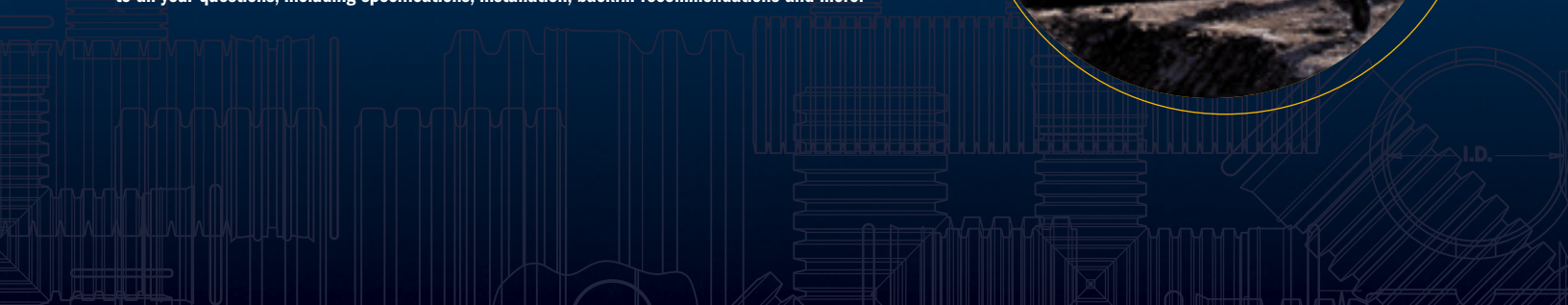


FEATURES & BENEFITS

- Soil-tight rubber gasket meets ASTM F477.
- Available in 20' (6m) lengths, resulting in fewer joints; custom lengths also available.
- Bell-and-spigot joint allows for quick and easy installation.
- Easy-to-handle, safe, lightweight pipe requires less labor and equipment for faster installation and reduced costs.
- HS-25 (Highway traffic loads) rated with a minimum of 12" (0.3m) of cover for 4" - 48" (100 - 1200mm) diameters and 24" (0.6m) of cover for 54" and 60" (1350 and 1500mm) diameters in single run applications.
- Provides superior resistance to chemicals, road salts, motor oil and gasoline – will not rust, deteriorate or crumble.
- Withstands repeated freeze/thaw cycles and continuous subzero temperatures.
- Superior hydraulics-smooth interior will ensure no debris or sediment build-up.



Hancor Service: Hancor representatives and engineers are committed to providing you with the answers to all your questions, including specifications, installation, backfill recommendations and more.





HANCOR SURE-LOK ST PIPE SPECIFICATIONS

SCOPE

This specification describes 4" - 60" (100 - 1500mm) Hancor Sure-Lok ST pipe for use in gravity flow drainage applications.

PIPE REQUIREMENTS

Sure-Lok ST pipe shall have a smooth interior and annular exterior corrugations.

- 4" - 10" (100 - 250mm) shall meet AASHTO M252, Type S.
- 12" - 60" (300 - 1500mm) shall meet AASHTO M294, Type S or ASTM F2306.
- Manning's "n" value for use in design shall be 0.010 to 0.012.

JOINT PERFORMANCE

Pipe shall be joined using a bell-and-spigot gasketed joint. Gaskets, when applicable, shall be made of polyisoprene meeting the requirements of ASTM F477 with the addition that the gaskets shall not have any visible cracking when tested according to ASTM D1149 after 72 hour exposure in 50 PPHM ozone at 104° F (40° C). Gaskets shall be installed by the pipe manufacturer and covered with a removable wrap to ensure the gasket is free from debris. A joint lubricant supplied by the manufacturer shall be used on the gasket and bell during assembly. Standard connections shall meet or exceed the soil-tight requirements of AASHTO M252, AASHTO M294, or ASTM F2306.

FITTINGS

Fittings shall conform to AASHTO M252, AASHTO M294, or ASTM F2306. Fabricated fittings, where accessible, shall be welded on the interior and exterior at all junctions.

MATERIAL PROPERTIES

Virgin material for pipe and fitting production shall be high density polyethylene conforming with the minimum requirements of cell classification 424420C for 4" - 10" (100 - 250mm) diameters, or 435400C for 12" - 60" (300 - 1500mm) diameters, as defined and described in the latest version of ASTM D3350. The 12" - 60" (300 - 1500mm) virgin pipe material shall be a slow crack resistant material evaluated using the notched constant ligament-stress (NCLS) test according to the procedure described in AASHTO M294, Section 9.5. Average NCLS test specimens must exceed 24 hrs. with no test result less than 17 hrs.

INSTALLATION

Installation shall be in accordance with ASTM D2321 and Hancor's published installation guidelines with the exception that minimum cover in trafficked areas for 4" - 48" (100 - 1200mm) diameters shall be one foot (0.3m) and for 54" and 60" (1350 and 1500mm) diameters shall be 2 ft. (0.6m) in single run applications. Contact your local Hancor representative or visit our website at www.hancor.com for a copy of the latest installation guidelines.

PIPE DIMENSIONS

Pipe I.D., in. (mm)	4 (100)	6 (150)	8 (200)	10 (250)	12 (300)	15 (375)	18 (450)	24 (600)	30 (750)	36 (900)	42 (1050)	48 (1200)	54* (1350)	60 (1500)
Pipe O.D.** , in. (mm)	4.8 (122)	6.9 (175)	9.1 (231)	11.4 (290)	14.5 (368)	18 (457)	22 (559)	28 (711)	36 (914)	42 (1067)	48 (1219)	54 (1372)	61 (1549)	67 (1702)
Perforations	All diameters available with or without perforations.													

*Check with sales representative for availability by region.

**Pipe O.D. values are provided for reference purposes only. Values stated for 12" - 60" (300 - 1500mm) are ± 1". Exact values are provided in the Structures section of the Drainage Handbook.

Hancor "Terms and Conditions of Sale" are available on the Hancor web site, www.hancor.com

DIRECT CONTACT

Customer Service
888-FOR PIPE (367-7473)
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ELECTRONIC MEDIA

Web Site
Find market- and application-specific information and the latest industry news at our On-Line Pipeline - www.hancor.com