

See the difference

SeaDrain® White



The SeaDrain® White marine piping system is the first thermoplastic black and grey water drainage system to offer both welded and mechanical jointing capabilities. The system introduces the industry's first non-corroding thermoplastic deck drain, as well as the Fast-Lock® mechanical jointing method. Completely independent of support brackets, the system is capable of long-term burst pressure of 36 psi (2.5 bar) and -14.5 psi (-1.0 bar) full vacuum black water service, thus revolutionizing marine drainage systems.

Complete system solution

SeaDrain® White is a system of pipes and fittings that introduces the industry's first thermoplastic deck drain and additional accessories required to build a complete thermoplastic marine drainage solution in corrosive environments.

Corrosion-free, robust plastic

The system is produced from a high-performance polymer which is simultaneously light, flexible, tough, and exceptionally corrosion-resistant. SeaDrain® White has a long-term pressure rating of 36 psi (2.5 bar), short-term burst to 58 psi (4 bar).

UV resistant, no paint needed

SeaDrain® White's bright white external coloring provides up to ten years of UV resistance against discoloration. It can be installed on deck, in areas visible to passengers, without the need for external paint. Saving hours of work; the result is aesthetically pleasing.

Multiple jointing technologies

The system utilizes both our patented Fast-Lock® mechanical fastening and electrofusion (USPH compliant) jointing. Fast-Lock® fitting integrated clamping resists long-term burst pressures up to 38 psi (2.5 bar) independent of secondary restraint (e.g., pipe clamping).

Global acceptance

The SeaDrain® White piping system is produced in the United States and approved for use by ABS, DNV-GL, Lloyd's Register, and RINA. It is also NSF certified and ASTM D635-18 (HB) compliant. A solution with all properties desirable for marine environments.

Typical applications

- Black and grey water sanitary drains
- Cabins, galleys and laundries
- Deck and balcony drains
- Customer facing areas

Technical data

Material

- Color: bright white
- Schedule 40 PPFR
- Up to 10-year UV protection
- Laser print stream (non-color)

Size range and fusion types

- 1½" IPS (DN40) – Electrofusion / Fast-Lock
- 2" IPS (DN50) – Electrofusion / Fast-Lock
- 2½" IPS (DN65) – Electrofusion / Fast-Lock
- 3" IPS (DN80) – Electrofusion / Fast-Lock
- 4" IPS (DN100) – Electrofusion / Fast-Lock
- 6" IPS (DN150) – Electrofusion

Temperature rating

- Constant temperature: 180°F (82°C)
- Intermittent temperature: 212°F (100°C)

Pressure / Vacuum rating

- Max Operating: 14.5 psi (1.0 bar)
- Long-Term Burst Pressure: 36 psi (2.5 bar)
- Short-Term Burst Pressure: 58 psi (4 bar)
- Vacuum: -14.5 psi (-1.0 bar)

Standards

- ASTM D635-18 (HB)
- ASTM F1412
- USPH (with electrofusion jointing)

Weight comparison

Size	Stainless steel black and grey water		SeaDrain® White	
	lb / ft	kg / m	lb / ft	kg / m
1½" IPS (DN40)	0.8	1.3	0.3	0.5
2" IPS (DN50)	1.1	1.6	0.4	0.7
2½" IPS (DN65)	1.3	1.9	0.7	1.1
3" IPS (DN80)	1.4	2.2	0.9	1.4
4" IPS (DN100)	1.9	2.9	1.3	1.9
6" IPS (DN150)	3.4	5.5	2.3	3.4

Maximum horizontal support hanger comparison

Size	Other plastic black and grey water		SeaDrain® White	
	(ft)	(m)	(ft)	(m)
1½" IPS (DN40)	1.6	0.5	6.6	2.0
2" IPS (DN50)	2.1	0.6	8.2	2.5
2½" IPS (DN65)	2.5	0.8	9.8	3.0
3" IPS (DN80)	3	0.9	9.8	3.0
4" IPS (DN100)	3.6	1.1	9.8	3.0
6" IPS (DN150)	5.2	1.6	9.8	3.0



Option 1
Jointing by electrofusion



Option 2
SeaDrain Fast-Lock® mechanical jointing

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