

# Roxtec pipe seal selection guide

for marine and offshore applications

Roxtec seals for pipe applications protect life and assets against fire, water ingress and gas. They are designed to maintain the deck and bulkhead fire classifications after being penetrated by pipes.

This guide will help you choose the sealing solution that meets your needs and requirements.



APPLICATION – PIPE SYSTEM	TRADITIONAL PIPE MATERIAL	RS seal	RS OMD seal	SPM seal	RS X seal	RS PPS seal	RS PPS/S seal	R frame	R X frame	S frame	SE PPS extension frame	Sleeve-it Fire pen. seal	Sleeve-it Waterproof pen. seal
		W NW SL AW BW +	W NW SL AW BW	NW AW BW	NW AW BW	W NW SL AW BW +	W NW SL AW BW +	W NW SL AW BW	W NW SL AW BW	NW AW BW	W NW SL AW BW	W NW SL AW BW	W NW AW
Grey water systems – transfer & collection	STEEL	X	X	X	X			X	X	X	X		
	PLASTIC					X	X					X	X
	GLASS FIBER	X	X		X								
Black water systems – transfer & collection	STEEL	X	X	X	X			X	X	X	X		
	PLASTIC					X	X					X	X
	GLASS FIBER	X	X		X								
Black water systems – vacuum piping	STEEL	X	X	X	X			X	X	X	X		
	PLASTIC					X	X					X	X
	GLASS FIBER	X	X		X								
Vacuum cleaning system	PLASTIC					X	X				X	X	
Laundry water systems	STEEL	X	X	X	X			X	X	X	X		
	COPPER	X	X	X	X			X	X	X	X		
	PLASTIC					X	X					X	X
Potable water systems	STEEL	X	X	X	X			X	X	X	X		
	STAINLESS STEEL	X	X	X	X			X	X	X	X		
	COPPER	X	X	X	X			X	X	X	X		
	PLASTIC					X	X					X	X
	MULTILAYER					X	X					X	X
Wet waste system	STAINLESS STEEL	X	X	X	X			X	X	X	X		
	PLASTIC					X	X					X	X
Fresh water generation & treatment systems	STEEL	X	X	X	X			X	X	X	X		
	PLASTIC					X	X					X	X
Chilled water systems	STEEL	X	X	X	X			X	X	X	X		
	STAINLESS STEEL	X	X	X	X			X	X	X	X		
	COPPER	X	X	X	X			X	X	X	X		
	PLASTIC					X	X					X	X
	MULTILAYER					X	X					X	X
Water heating systems/ cooling water systems	STAINLESS STEEL	X	X	X	X			X	X	X	X		
	COPPER	X	X	X	X			X	X	X	X		
	GLASS FIBER	X	X		X								
Deck/window washing & high pressure water systems	STEEL	X	X	X	X			X	X	X	X		
	STAINLESS STEEL	X	X	X	X			X	X	X	X		
Sprinkler systems	STEEL	X	X	X	X			X	X	X	X		
	STAINLESS STEEL	X	X	X	X			X	X	X	X		
CO2 extinguishing systems	STEEL	X	X	X	X			X	X	X	X		
	STAINLESS STEEL	X	X	X	X			X	X	X	X		
	COPPER	X	X	X	X			X	X	X	X		
Vents & overflow systems	STEEL	X	X	X	X			X	X	X	X		
	STAINLESS STEEL	X	X	X	X			X	X	X	X		
	COPPER	X	X	X	X			X	X	X	X		
	PLASTIC					X	X					X	X
	MULTILAYER					X	X					X	X
Water fire fighting system	STEEL	X	X	X	X			X	X	X	X		
Air conditioning – cooling & heat recovery systems	STEEL	X	X	X	X			X	X	X	X		
	STAINLESS STEEL	X	X	X	X			X	X	X	X		
	COPPER	X	X	X	X			X	X	X	X		
	PLASTIC					X	X					X	X
Ballast water systems	STEEL	X	X	X	X			X	X	X	X		
	STAINLESS STEEL	X	X	X	X			X	X	X	X		
	COPPER	X	X	X	X			X	X	X	X		
	PLASTIC					X	X					X	X
	MULTILAYER					X	X					X	X
Scrubber systems	STEEL	X	X	X	X			X	X	X	X		
	STAINLESS STEEL	X	X	X	X			X	X	X	X		
	COPPER	X	X	X	X			X	X	X	X		
	PLASTIC					X	X					X	X
	MULTILAYER					X	X					X	X
Exhaust gas drainage systems	STEEL	X	X	X	X			X	X	X	X		
	GLASS FIBER	X	X		X								
Bilge lines	STEEL	X	X	X	X			X	X	X	X		
	STAINLESS STEEL	X	X	X	X			X	X	X	X		
	PLASTIC					X	X					X	X
	GLASS FIBER	X	X		X								
Pneumatic/compressed air systems	STEEL	X	X	X	X			X	X	X	X		
	STAINLESS STEEL	X	X	X	X			X	X	X	X		
	COPPER	X	X	X	X			X	X	X	X		
Tank cleaning systems	STEEL	X	X	X	X			X	X	X	X		
	STAINLESS STEEL	X	X	X	X			X	X	X	X		
	COPPER	X	X	X	X			X	X	X	X		
Hydraulic fluid systems/ lubricating oil lines	STEEL	X	X	X	X			X	X	X	X		
	STAINLESS STEEL	X	X	X	X			X	X	X	X		
	COPPER	X	X	X	X			X	X	X	X		
Engine & fuel oil transfer systems	STEEL	X	X	X	X			X	X	X	X		
	STAINLESS STEEL	X	X	X	X			X	X	X	X		
	COPPER	X	X	X	X			X	X	X	X		
	GLASS FIBER	X	X		X								
Azipod lubrication systems	STEEL	X	X	X	X			X	X	X	X		
	STAINLESS STEEL	X	X	X	X			X	X	X	X		
Bundle/multi-core pipe systems	STEEL	X	X							X			
	STAINLESS STEEL	X	X							X			
	COPPER	X	X							X			
Insulated bundle pipe systems	PLASTIC					X	X					X	X

W Welded solution NW Non welded solution SL Requires a sleeve AW Above waterline solution BW Below waterline solution + Water-tightness after fire (F+WT)

Note: Pipe seals should not be used in tank boundaries.

This guide is for indication purposes only. Please check the applicable type approval certificate to confirm pipe dimensions and materials.