

	Wood	Aluminum & Plastic	Surefloat's Concrete
Quality	Imperfections from natural wood (knots, shakes, splits, etc)	Highly dependant on manufacturer	High grade concrete, CSA approved for quality
Deterioration	Rots, decays, shrinks, bends	Corrodes, sun damage, failed connections	No deterioration over 25-50 yr lifetime
Insect and Animal Damage	Susceptible to termites, woodpeckers, burrowing insects	Not susceptible	Not susceptible
Chemical Runoff Into Water	Creosote, pressure treated wood chemicals leach into water	Aluminum electrolysis in salt water, may need to install and maintain zincs	None. All waste is properly disposed of at manufacturing facility
Environmental Impact	Leaching carcinogenic chemicals are harmful to marine life and humans	Harmful elements may leach into water	LEEDs award proves concrete is haven for marine life growth
Wave Attenuation	Some - wood flexes with waves	None - structure floats on top of waves	Yes - concrete structure attenuates waves
Locally Manufactured	Dependant on supplier	Dependant on supplier	Produced in Cowichan Valley, BC
Heat Transmission	Holds minimal heat	Becomes very hot with sun exposure	Holds minimal heat
Mass	Heavy	Light	Heaviest (10'x20' dock = 23,000 lbs)
Stability	Good	Poor	Best
Strength	Poor	Good	Best
Durability	Poor	Good	Best
Maintenance	High maintenance	Minimal maintenance	Minimal maintenance
Estimated Cost	\$30-45/sqft	\$65-95/sqft	\$40-70/sqft
Life Expectancy	5 - 10 yrs	10 - 15 yrs	25 - 50 yrs
Estimated Resell Value	None - must pay to have removed	Market aluminum scrap rate	Resold as breakwater for \$25 / sqft

