

1. DESIGN CONDITION (GENERAL)

CRITERIAS			Remarks
Temperatures	Ambient temperature	Max. 45 °C	Or as builder's spec.
	Sea water	Max. 32 °C	Or as builder's spec.
	Minimum cargo tank temperature	-163 °C	Cargo : LNG
Heat transfer coefficient		To be announced	W/m ² K
Tank	Number	Not determined	Or as builder's spec.
	Type	Independent IMO type B	All type
	Capacity (total)	Not determined	Or as builder's spec.
	Material	Not determined	Or as builder's spec.
Insulation System	Insulation type	PU Panel & Spray foam	-
	Material	Ff140 + Fp140-40	Contains HFC (HCFC FREE)
	Fire resistance	B2	DIN 4102, part 1
	Overall insulation thickness	About 300 mm	-
	Thermal conductivity at 20 °C	Ff140 ≤ 0.023 Fp140-40 ≤ 0.021	W/mK (Fresh)
	Surface protection	AL PET sheet Or Equivalent	-

* Ff140, Fp140-40 : DSFTC's brand name, which is insulation material base on polyurethane.