Information: Isotherm SP

The brass skin fitting is saltwater resistant!

Dezincification-resistant Cu-alloy AMETAL-C/OM-METAL

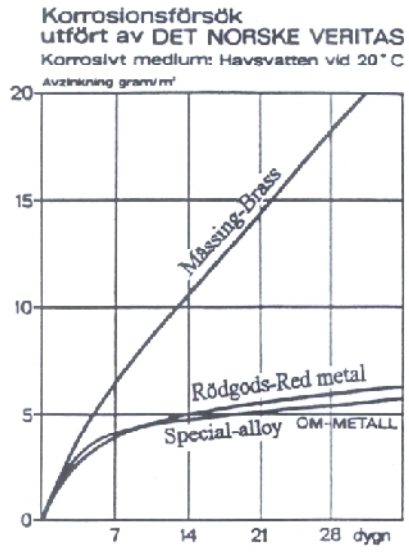
This metal is a ($\alpha + \beta$) - brass. The α-phase is blocked against dezincification by means of an inhibitor, which is of great importance in resistance to corrosion.

When the copper content is kept within close limits, the brass will at normal room temperatures, consist of a pure α-phase which means dezincification resistant and will only at very high temperatures be transformed to a ($\alpha + \beta$) - phase.

The metal is dezincification resistant to the highest degree and has been tested by a number of institutions such as: 0SITAC, Chalmers university, The Norske Veritas, The British Non-Ferrous Metals Research Association, the American Smelting and Refining company.
All the tests made prove this metal type to be more dezincification resistant compared to other types of special brass alloys and red metals.
(See also the diagram, AMETAL-C is equal to OM-METALL)

Metal composition (% by weight)

Cu 64.5-66.5	Pb 1.5-2.2	Sn max 0.30
Si 0.55-0.80	Ni max 0.30	Fe 0.10-0.20
As 0.03-0.06	Zn the rest	



This diagram shows that the alloy used in the Isotherm skin fitting is salt water resistant and superior to red brass. The Isotherm SP skin fitting supplier was founded 1925, has ISO 9001 quality system approval and has produced more than 4 milj. skin fittings in this special alloy since they started 1974. They are suppliers to all major boatbuilders in Europe.