

Arrangements for Prevention of Heat Transmission at Intersections

Amended Guidance

Guidance for the Survey and Construction of Steel Ships Part R

Reason for Amendment

MSC/Circ.1120 specifies requirements related to arrangements for the prevention of heat transmission at intersections and terminal points of decks or bulkheads. These requirements have already been incorporated into the ClassNK Rules.

These requirements specify that the lower parts of insulation materials used at such locations may be cut back a maximum of 100 mm to allow for drainage. This is to prevent the insulation from coming into contact with any condensed or accumulated water, and thus having its effectiveness degraded. Figures are also provided which show typical structural arrangements which may be used in such cases.

One of these figures shows a structural arrangement using linings in combination with steel coamings or gutter bars. Linings, however, are typically only fitted in accommodation spaces (for reasons of appearance and habitability) and are not usually used in other kinds of spaces. The IMO, therefore, discussed whether the aforementioned figure needs a clarification regarding the spaces which said arrangements are typically used.

As a result, a unified interpretation clarifying that structural arrangements using steel coamings/gutter bars and linings are only applicable to accommodation spaces. This UI was approved at the 95th Session of the IMO Maritime Safety Committee (MSC95) held in June 2015 and circulated as MSC.1/Circ.1510.

Accordingly, all relevant requirements were amended based upon MSC.1/Circ.1510.

Outline of Amendment

Specified that the arrangements using steel coamings/gutter bars and linings only apply to accommodation spaces in the figure showing the cutting back of the lower part of insulation.