

GUIDANCE FOR THE APPROVAL AND TYPE APPROVAL OF MATERIALS  
AND EQUIPMENT FOR MARINE USE

**Guidance for the Approval and Type Approval of Materials and Equipment for  
Marine Use** **2010 AMENDMENT NO.2**

Notice No.101 15th October 2010  
Resolved by Technical Committee on 6th July 2010

**ClassNK**  
NIPPON KAIJI KYOKAI

Notice No.101 15th October 2010

## AMENDMENT TO THE GUIDANCE FOR THE APPROVAL AND TYPE APPROVAL OF MATERIALS AND EQUIPMNET FOR MARINE USE

“Guidance for the approval and type approval of materials and equipment for marine use” has been partly amended as follows:

### Part 1 GENERAL

#### Chapter 1 GENERAL

Section 1.3 has been amended as follows.

#### 1.3 General

~~In principle, new~~ The new installation of materials which contain asbestos is to be prohibited. ~~Where deemed as necessary by the Society, the installation may be allowed in such positions as shown below;~~

- ~~(1) vanes used in rotary vane compressors and rotary vane vacuum pumps;~~
- ~~(2) watertight joints and linings used for the circulation of fluid when, at high temperature in exceed of 350°C or pressure in excess of 7 MPa, there is a risk of fire, corrosion or toxicity; and~~
- ~~(3) supple and flexible thermal insulation assemblies used for temperatures above 1,000°C.~~
- ~~(4) where materials which contain asbestos are used, documents including the location and other detailed in formation are to be submitted to the society.~~

## Part 4 NON-METALLIC MATERIALS AND COATING MATERIALS FOR HULL

### Chapter 2 TYPE APPROVAL OF MATERIALS FOR REFRIGERATED CHAMBERS

#### 2.4 Approval Test

##### 2.4.2 Insulation Materials

Table 4.2-1 has been amended as follows.

**Table 4.2-1 Approval Test Items of Insulation Materials**

| Main materials            | Thermal conductivity | Density      | Bending strength | Pressure test | Water absorption | Water content | Combustion test | Others                         |
|---------------------------|----------------------|--------------|------------------|---------------|------------------|---------------|-----------------|--------------------------------|
| <del>Asbestos</del>       | <del>○</del>         | <del>○</del> |                  |               |                  |               |                 | <del>Ignition loss</del>       |
| Diatomaceous earth        | ○                    | ○            | ○                |               | ○                | ○             |                 | Fibre content                  |
| Rock wool                 | ○                    | ○            | ○                |               |                  |               |                 | Particle content               |
| Glass wool                | ○                    | ○            |                  |               |                  |               |                 | Diameter of fibre              |
| Basic magnesium carbonate | ○                    | ○            | ○                |               |                  | ○             |                 | Sulfuric acid test             |
| Calcium silicate          | ○                    | ○            | ○                |               |                  |               |                 | Shrinkage                      |
| Foam polystyrene          | ○                    | ○            | ○                | ○             | ○                |               | ○               |                                |
| pearlite                  | ○                    | ○            | ○                |               |                  |               |                 | Water repellency and Shrinkage |
| Rigid foam rubber         | ○                    | ○            | ○                | ○             | ○                |               |                 |                                |
| Rigid foam urethane       | ○                    | ○            | ○                | ○             | ○                |               | ○               |                                |

#### EFFECTIVE DATE AND APPLICATION

1. The effective date of the amendments is 1 January 2011.