

## NON STANDARD

MED B-00001SH

## A-60 Steel Deck



|                  | Product       | Thickness | Density              | Weight                |
|------------------|---------------|-----------|----------------------|-----------------------|
| <b>Plate</b>     | SeaRox WM 620 | 45 mm     | 90 kg/m <sup>3</sup> | 4.1 kg/m <sup>2</sup> |
| <b>Stiffener</b> | SeaRox WM 620 | 45 mm     | 90 kg/m <sup>3</sup> | 4.1 kg/m <sup>2</sup> |



## Construction notes:

- Plate and stiffeners insulated with one layer of 45 mm SeaRox WM 620.
- Ø 3 mm pins fixed with approx. 300 mm distance.
- Insulation secured with washers of Ø 38 mm.

## Application notes:

- All connections must be tight.
- Wire mesh must be twisted together at joints.
- The pins should exceed the insulation by approx. 10 mm.

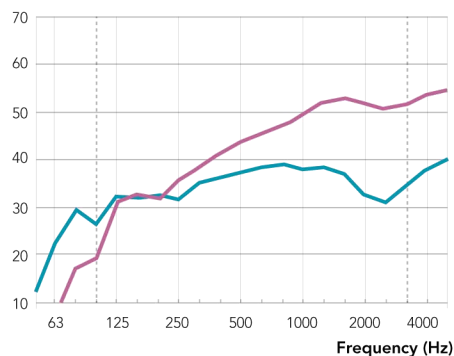
## Advantages:

-  Lowest water absorption - optimal insulation performance
-  Secures excellent noise reduction and better comfort

## Sound reduction:

| f         | R          |
|-----------|------------|
| Frequency | 1/3 Octave |
| Hz        | dB         |
| 50        | 10.1       |
| 63        | 8.4        |
| 80        | 17.2       |
| 100       | 19.4       |
| 125       | 31.4       |
| 160       | 32.7       |
| 200       | 32.1       |
| 250       | 35.8       |
| 315       | 38.8       |
| 400       | 41.1       |
| 500       | 43.7       |
| 630       | 45.2       |
| 800       | 47.1       |
| 1000      | 49.5       |
| 1250      | 52.1       |
| 1600      | 53.0       |
| 2000      | 51.8       |
| 2500      | 50.9       |
| 3150      | 51.6       |
| 4000      | 53.8       |
| 5000      | 54.7       |

Sound Insulation, R (dB)



■ Test set-up: Plate /Stiffener: SeaRox WM 620, 45 mm

■ Steel Bulkhead 1500 / 1880 / 6 mm  
Bulb profiles, 1820 / 140 / 10 mm  
(without insulation)

$$R_w(C;C_{tr}) = 46 (-2; -8) \text{ dB}$$

## Sound absorption:

Weighted sound absorption: **SeaRoxWM 620, 45 mm**,  $\alpha_w = 0.90$

## Construction details

