Basic Heavy 3000

Self-Levelling Compound

Product description

BH 3000 is a cement based, plastic reinforced, self levelling, and pumpable compound with rapid setting effect, hydraulic hardening and crystalline water binding.
Can be used in all types of dry accommodation areas before laying of carpet, vinyl, etc.

Surface preparation

BH 3000 floor levelling must be applied on hard foundations such as concrete or steel, which should be free of dust, grease, oil, dirt, etc. Anti-corrosion treated steel layer, aluminum and zinc to be pre-treated with Shop primer. When surfaces have been treated with a two-component epoxy-iron oxide primer, the DMS primer 54 can be used.

Primer

Primer 54 must be used on steel, concrete and between layers.

Mixing

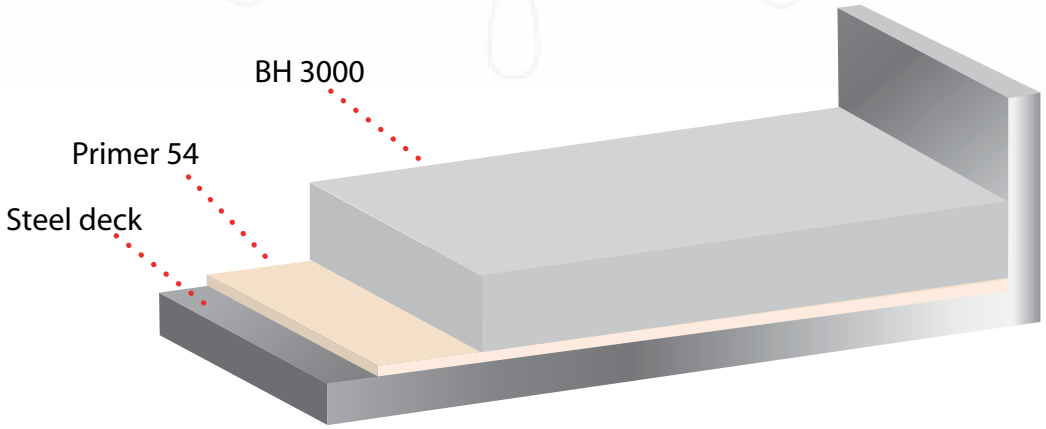
Mix one bag of BH 3000 (25 kg) with approx. 4,5-5 litres of clean cold water and stir vigorously to a smooth, easy flowing mortar.

Application

BH 3000 floor levelling must be applied in a thickness of max. 30 mm. Depending on the working conditions, trowel or spike roller can be used. After application of BH 3000 the compound must be protected against strong, direct heat and sunlight and draught must be avoided. BH 3000 should not be exposed to freezing temperatures (Recommended curing temperatur is min. 5°C).

Curing / dehydration

At +20°C and 65 % relative humidity the compound will cure after 18-24 hours, curing times depend on the thickness of the applied layer, relative humidity and ventilation at the working area. The compound must be fully dry before covering (the moisture has to be < 5 % by weight).



Basic Heavy 3000

Self-Levelling Compound

Technical description

Basis	Cement and synthetic polymer
Colour	Grey
Density	Approx. 1,6 kg/mm/m^2 (applied)
Thickness	2 - 30 mm (per layer)
Mixing ratio	19-21% water
Pot life	Approx. 15-20 minutes at 20°C and 65 % RH
Curring time	Setting time for walking, approx. 3-4 hours. Ready for covering after 18 - 24 hours at 20°C in a maximum of 8 mm thickness
Flow ability after SS 923519	155-160 mm
Recommended application temperature	Between +5°C and +35°C
Bending tear strength EN 13892-2	9,8 MPa
Compression strength EN 13892-2	33,6 MPa

Packaging

- 25 kg bags (42 bags per pallet)
- Loose in bulk

Cleaning

Use water to clean the tools before the compound is cured.

Shelf-life

The shelf-life is min. 12 months in unopened packaging.

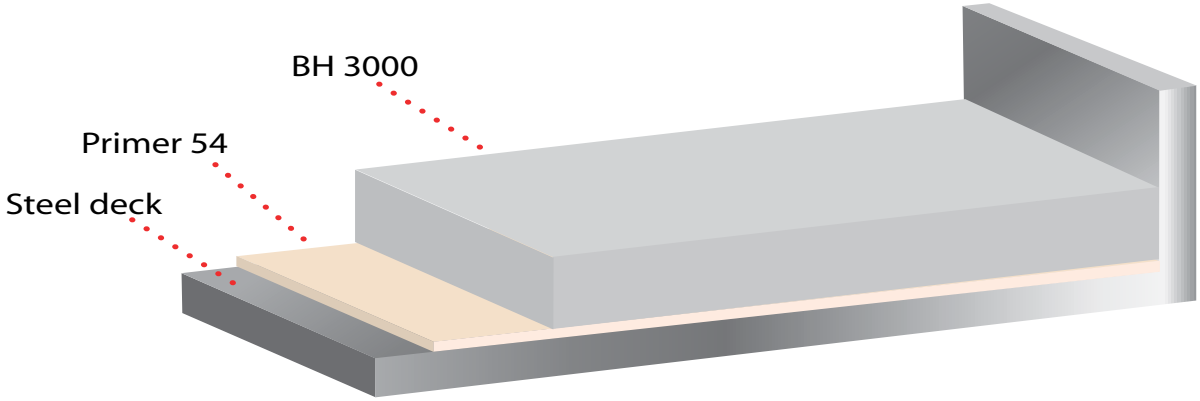
Storage

In dry conditions, do not expose to moisture and freezing temperature.

For additional technical information, please contact our technical department.

Basic Heavy 3000

Installation instruction



1. Ensure that the deck is clean and free from dust, grit, rust, grease or any other dirt. The deck surface should have been ground free from weld spots and other lumps and a normal shop primer applied

2. Spread out the primer in a smooth layer at the areas to be covered (1 liter should cover 10 m²)

3. Mix one bag of BH 3000 (25 kgs.) with approx. 4,5-5 liters of cold clean water and stir vigorously to a smooth easy flowing compound, after mixing the compound is ready for use

4. The BH 3000 compound is spread out in the required thickness, - please be aware about the minimum and maximum thickness. (min. 2 mm. and max. 30 mm.)

5. Then the installation of the compound is finished, the floor will be ready for walking after app. 3-4 hours at 20° C and after app. 18 - 24 hours at 20° C the floor will be ready to be covered with carpet, tiles, marble or PVC

Installation instruction

1. Spread out the primer 54 smooth in a thin a layer at the floor
   Approx. 0,1 kg. / m²

2. The measured quantity of water (4,5-5 liter) is added the mixer after this add the BH 3000 compound. Stir vigorously to a smooth, easy-flowing mortar

Installation instruction

3. The BH 3000 is spread in the thickness that is wished or described,
Please be aware about the min. (2 mm.) and the max. (30 mm.) thickness for the BH 3000 product

4. After app. 3-4 hours at 20°C. the floor is ready for walking and after 18-24 hours at 20°C and in a thickness of app. 8 mm. the floor is ready to be covered with carpet, PVC or tilling

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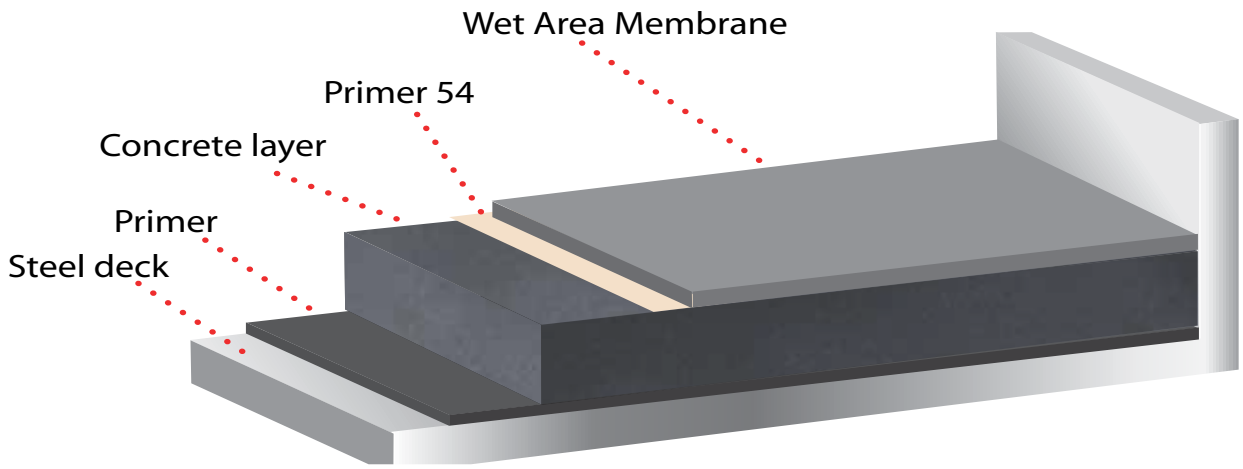
Wet Area Membrane "AF 2K"

Installation instruction



Wet Area Membrane "AF 2K" can be applied on hard foundations such as concrete or steel, which should be free of dust, grease, oil, dirt, etc. Anti-corrosion treated steel layer, aluminum and zinc to be pre-treated with Shop primer. When surface has been treated with a two-component epoxy-iron oxide primer, the Primer 54 can be used.

1. Spread out the Primer 54 in a smooth layer at the areas to be covered

2. When the Primer 54 is dry the Wet Area Membrane "AF 2K" is applied.
   Mix one bag of Wet Area Membrane "AF 2K" of 20 kg with a maximum of 6,6 ltr of clean cold water and stir vigorously to a smooth, cream-like paste.

3. Wet Area Membrane "AF 2K" can be applied in a thickness of 2 to 10 mm (recommended thickness is 2 mm).
   Use a trowel to apply the membrane.
   Preparation time approx. 30 minutes at 18-20°C.
   Allow about 24-48 hours to elapse before tiling the surface.

   Note: After application the Wet Area Membrane "AF 2K" must be protected against strong, direct heat and sunlight and draught must be avoided.

Wet Area Membrane 'AF 2K'

Water Tightening Membrane

Product description

Wet Area Membrane 'AF 2K' is a 1-component membrane which consists of special plastic-reinforced cement and water.
Wet Area Membrane 'AF 2K' can meet the demand of 2 mm thick layer by application in one go and can be applied onto underlay consisting of inorganic materials such as e.g. concrete and filler layer.
Waterproofing against water pressure of 10 m column of water.

Surface preparation

Wet Area Membrane 'AF 2K' must be applied on hard foundations such as concrete or steel, which should be free of dust, grease, oil, dirt, etc. Anti-corrosion treated steel layer, aluminum and zinc to be pre-treated with Shop primer. When surfaces have been treated with a two-component epoxy-iron oxide primer, the DMS primer 54 can be used.

Primer

primer 54 must be used on steel, concrete and between layers.

Mixing

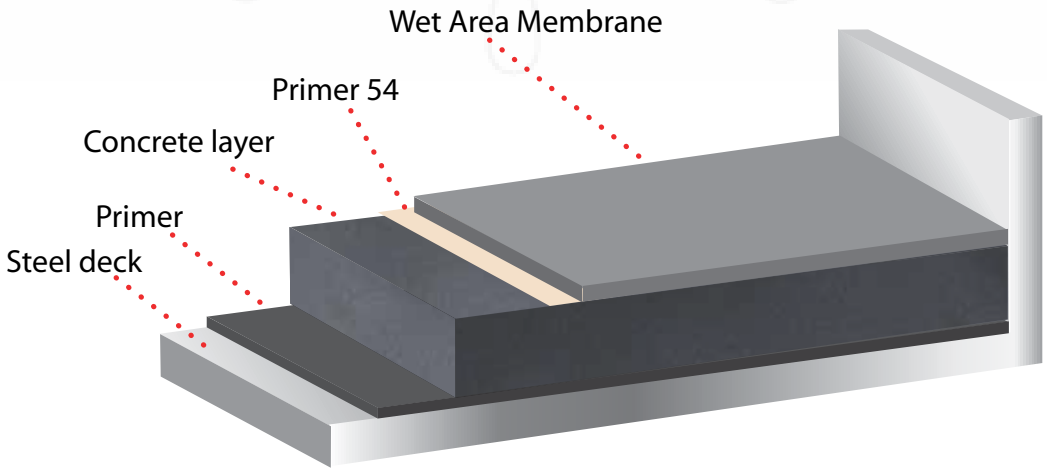
Mix one bag of Wet Area Membrane 'AF 2K' of 20 kg with a maximum of 6,6 litres of clean cold water and stir vigorously to a smooth, cream like paste.

Application

Wet Area Membrane 'AF 2K' can be applied in a thickness of 2 to 10 mm (recommended thickness if 2 mm). Use a trowel to apply the Wet Area Membrane 'AF 2K'. After application Wet Area Membrane 'AF 2K' must be protected against strong, direct heat and sunlight and draught must be avoided. Wet Area Membrane 'AF 2K' should not be exposed to freezing temperatures (Recommended curing temperatur is min. 5°C).

Curing / dehydration

At +20°C and 65 % relative humidity the compound will cure after 24-48 hours, curing times depend on the thickness of the applied layer, relative humidity and ventilation at the working area. The compound must be fully dry before covering (the moisture has to be < 5 % by weight).



Wet Area Membrane 'AF 2K'

Water Tightening Membrane

Technical description

Basis	Cement and synthetic polymer
Colour	Grey
Density	Approx. 1,0 kg/mm/m^2 (applied)
Thickness	2 - 10 mm
Mixing ratio	33% water
Pot life	Approx. 30 minutes at 20°C and 65 % RH
Curring time	Ready for covering after approx. 24-48 hours at 20°C
Recommended application temperature	Between +5°C and +35°C
Bending tear strength EN 13892-2	1,5 MPa

Packaging

• 20 kg bags

Cleaning

Use water to clean the tools before the compound is cured.

Shelf-life

The shelf-life is min. 12 months in unopened packaging.

Storage

In dry conditions, do not expose to moisture and freezing temperature.

For additional technical information, please contact our technical department.

DLP Floating Floor (A60)

Floating and sound reduction floor

Product description

DLP Floating Floor is a deck covering system for reduction of both airborne, structure borne and impact noise.
DLP Floating Floor consists of minimum 50 mm Rockwool Marine Slab 140, 3 mm steel plate, 1 mm PU-D20 Visco Elastic Damping Layer and 2 mm steel plate which together becomes a floating floor with an excellent sound reduction.

Surface preparation

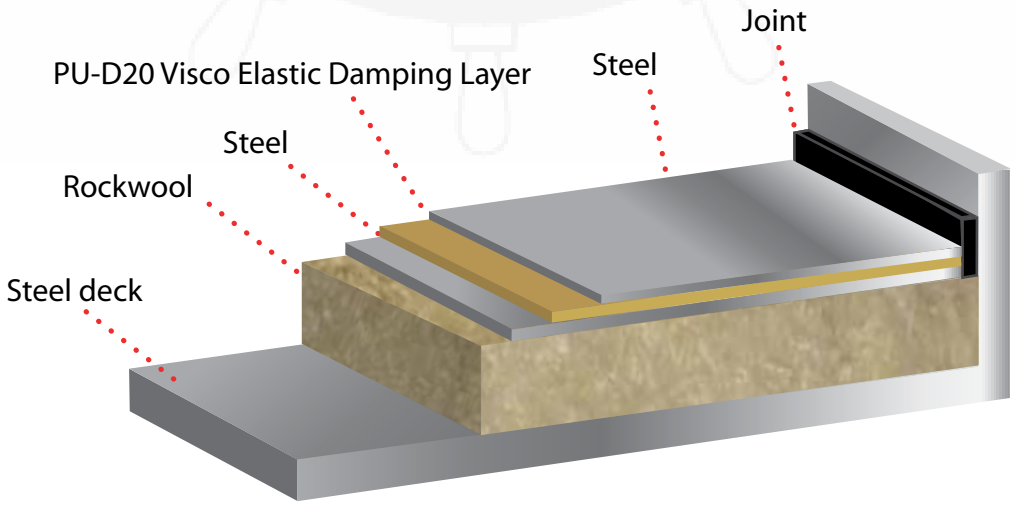
Make sure that the steel deck is straight, otherwise before installation of the floating floor leveling of the steel deck is necessary.

Application

Cut to size and lay down the Rockwool slabs on the steel deck with staggered joints and butted tight.
Cut to size and lay down the first layer of steel sheets directly on top of the Rockwool Marine Slab 140.
Before use the PU-D20 Component A and B must be thoroughly mixed together by using an electric hand mixer. Component B shall be poured into the component A can and then mixed.
Measure up the areas to be applied and trowel out a thin layer (1 mm) of PU-D20 Visco Elastic Damping Layer in the measured areas.
Cut to size and lay down the second layer of steel sheets directly in the wet PU-D20 Visco Elastic Damping Layer.
Drill 5 mm holes, c/c 250-300 mm, around all edges and 4 holes along the middle of the plates, countersink and rivet the sheets together, use pop rivets 4,9-10 mm, steel/steel to connect the plates.
Alternatively self-tapping screws can be used.

Application of top layer

To provide a smooth surface for laying of vinyl or carpet, a thin layer of underlayment or sealing mastic must be applied over joints and rivets. Ceramic tiles shall be bonded by means of epoxy mastic adhesive, no additional underlayment is required.



DLP Floating Floor (A60)

Floating and sound reduction floor

Technical description

Density	Rockwool Marine Slab 140-50 mm approx. 0,14 kg/mm/m^2
	Steel plate approx. 8 kg/mm/m^2
	PU-D20 approx. 1,35 kg/mm/m^2
Thickness of build-up	Minimum 56 mm
Weight of build-up	Approx. 48 kg
Surface treatment of steel plate	Galvanised

Packaging

- 2,4 m2 packages - Rockwool Marine Slab 140
- 1x2 mtr pieces - Steel plates
- 7,7 kg set or 18,4 kg set - PU-D20 Visco Elastic Damping Layer

Shelf-life

Rockwool Marine Slab 140 :	No limit
Steel plates :	No limit
PU-D20 Visco Elastic Damping Layer:	Minimum 12 months in unopened packaging.

Storage

In dry conditions, do not expose to moisture and freezing temperature.

For additional technical information, please contact our technical department.

DLP Floating Floor (A60)

Floating and sound reduction floor

Product description

DLP Floating Floor is a deck covering system for reduction of both airborne, structure borne and impact noise.
DLP Floating Floor consists of minimum 50 mm Rockwool Marine Slab 140, 3 mm steel plate, 1 mm PU-D20 Visco Elastic Damping Layer and 2 mm steel plate which together becomes a floating floor with an excellent sound reduction.

Surface preparation

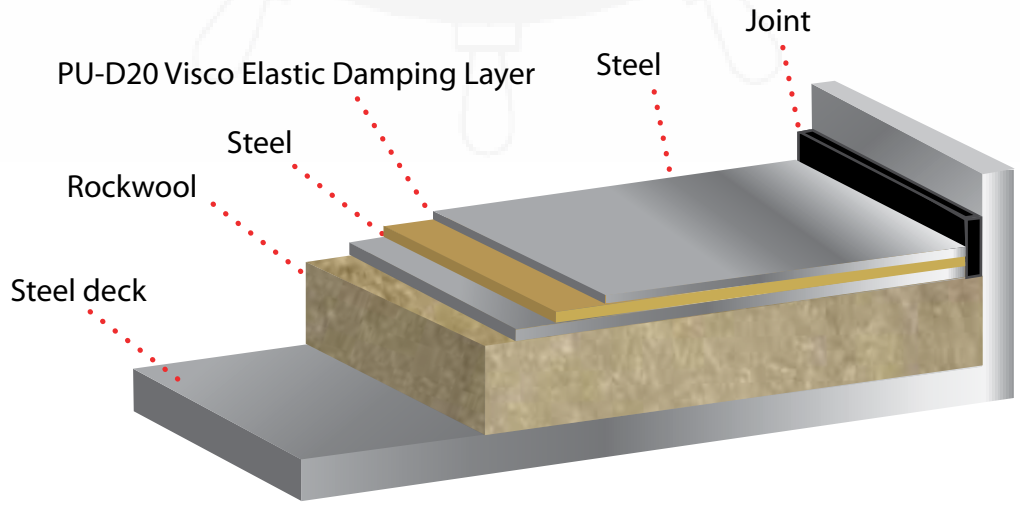
Make sure that the steel deck is straight, otherwise before installation of the floating floor levelling of the steel deck is necessary.

Application

Cut to size and lay down the Rockwool slabs on the steel deck with staggered joints and butted tight.
Cut to size and lay down the first layer of steel sheets directly on top of the Rockwool Marine Slab 140.
Before use the PU-D20 Component A and B must be thoroughly mixed together by using an electric hand mixer. Component B shall be poured into the component A can and then mixed.
Measure up the areas to be applied and trowel out a thin layer (1 mm) of PU-D20 Visco Elastic Damping Layer in the measured areas.
Cut to size and lay down the second layer of steel sheets directly in the wet PU-D20 Visco Elastic Damping Layer.
Drill 5 mm holes, c/c 250-300 mm, around all edges and 4 holes along the middle of the plates, countersink and rivet the sheets together, use pop rivets 4,9-10 mm, steel/steel to connect the plates.
Alternatively self-tapping screws can be used.

Application of top layer

To provide a smooth surface for laying of vinyl or carpet, a thin layer of underlayment or sealing mastic must be applied over joints and rivets. Ceramic tiles shall be bonded by means of epoxy mastic adhesive, no additional underlayment is required.



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Rockwool Marine Slab 140 :	No limit
Steel plates :	No limit
PU-D20 Visco Elastic Damping Layer:	Minimum 12 months in unopened packaging.

Storage

In dry conditions, do not expose to moisture and freezing temperature.

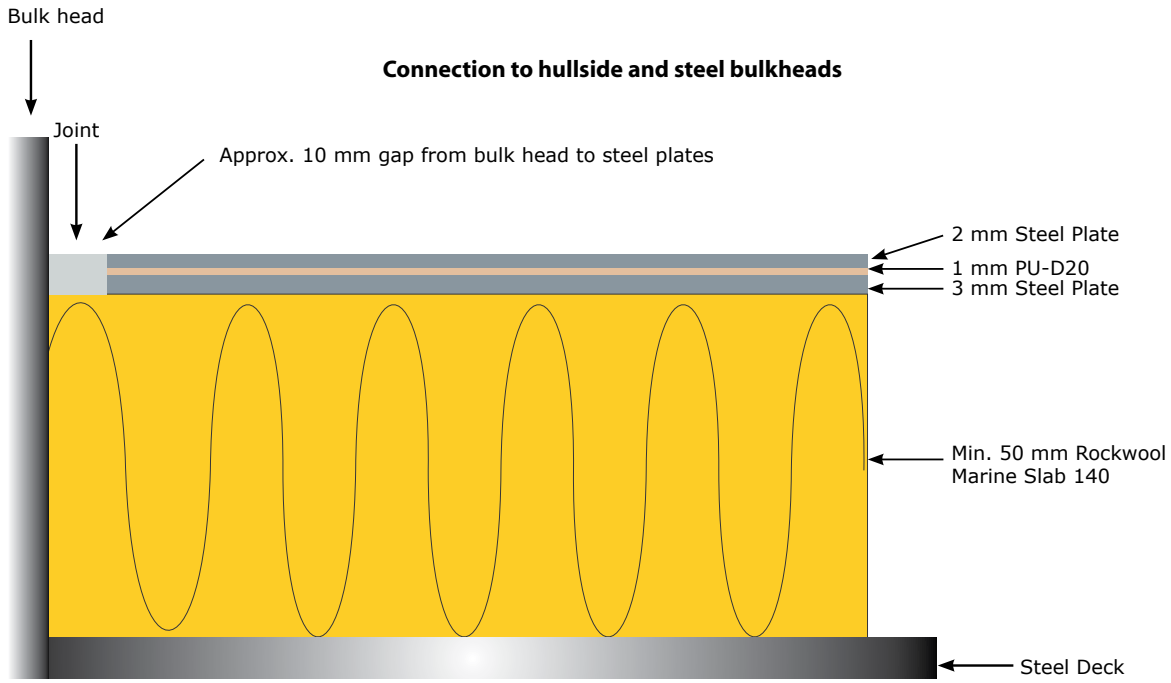
For additional technical information, please contact our technical department.

DLP Floating Floor

Installation instruction

Tools required

Rockwool knife
Cutting tools for sheet metal such as hacksaw, circle saw and grinding machine.
Suction lifters – If necessarry
Drilling machine
Drill bit 5 mm
Countersink bit
Pop rivet machine
Trowel for visco elastic
Hand mixer for visco elastic



Make sure that the steel plates does not come in contact with the metal structure. Gaps up to bulkheads and hullsides to be sealed with approved sealing mastic

Installation instruction

Procedure – Step by step

1. Make sure that the steel deck is straight, otherwise before installation of the floating floor levelling of the steel deck is necessary.

2. Cut to size and lay down the Rockwool slabs on steel deck with staggered joints and butted tight.

3. Cut to size and lay down the first layer of steel plates directly on top of the Rockwool Marine Slab 140.

4. Messaure up the areas to be applied and trowel out a thin layer (1 mm.) of PU-D20 in the messaured areas

5. Cut to size and lay down the second layer of steel plates directly in the wet visco elastic PU-D20

6. Drill 5 mm holes, c/c 300 mm, around all edge and 4 holes along the middle of the plates countersink and rivet the sheets together, use pop rivets 4,9 x 10 mm, steel/steel to connect the steel plates
   Alternatively self-tapping screws can be used
   If self-tapping screws are used the heads of the screws are to be cut off after the Visco Elastic PU-D20 is fully dried (After approx. 8 hours)

7. To provide a smooth surface for for laying of vinyl mats or carpets a thin layer of underlayment or sealing mastic may be applied over joints and rivets.

8. Ceramic tiles shall be bonded by means of an epoxy mastic adhesive. No additional underlayment is required.

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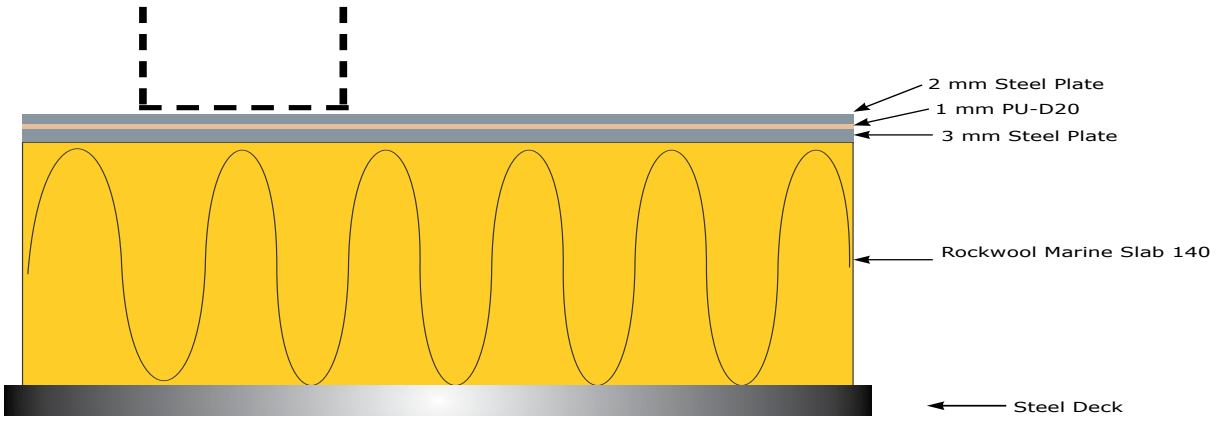
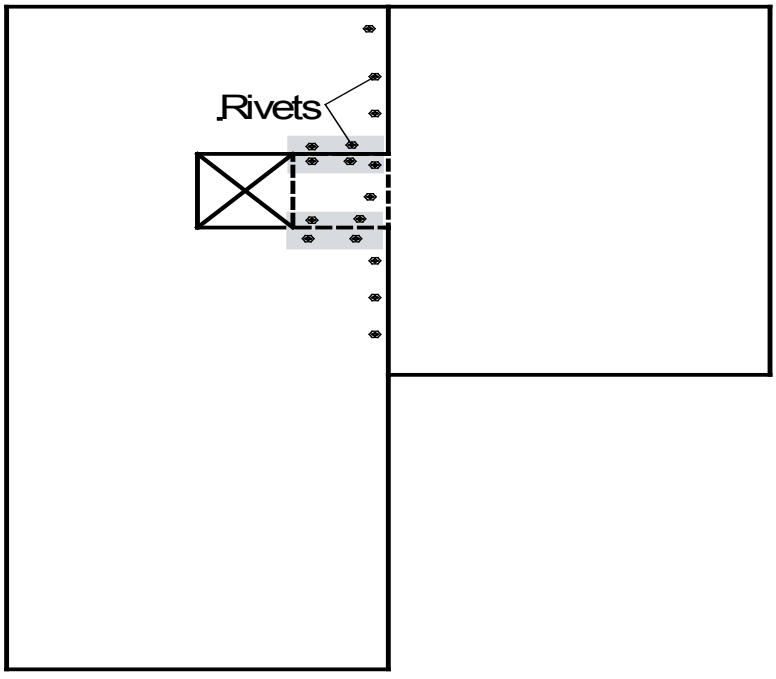
Installation instruction

Installation of U-profiles for partition bulkheads



U-profiles may be fixed by means of screws, pop-rivets or spot welding.

Installation around structural columns and pipes



A backing steel sheet of ca 150 mm width shall be used underneath the joint and riveted on both sides carefully.