

DLP Floating Floor *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 30 mm Mineral Wool 140-160 kg/m³, 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 Mineral Wool 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 Mineral Wool.

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.

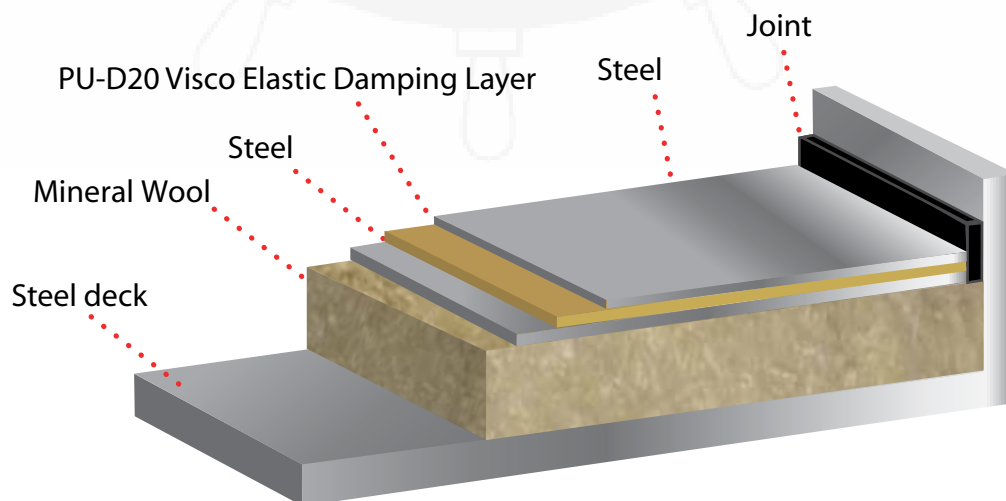
Cut to size and lay down the second layer of steel sheets directly in the wet PU-D20 Visco Elastic Damping Layer.

Drill 5 mm holes, c/c 250-300 mm, around all edges and 2-4 holes along the middle of the plates, countersink and rivet the sheets together, use pop rivets 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 *Floating and sound reduction floor*

Technical description

Density	Mineral Wool 140-30 mm approx. 0,14 kg/mm/m ² Mineral Wool 150-30 mm approx. 0,15 kg/mm/m ² Mineral Wool 160-30 mm approx. 0,16 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 36 mm
Weight of build-up	Approx. 45,5 kg
Surface treatment of steel plate	Galvanised

Packaging

- Mineral Wool - Depending on type and density
- 1x2 mtr pieces - Steel plates
- 7,7 kg set or 18,4 kg set - PU-D20 Visco Elastic Damping Layer

Shelf-life

Mineral Wool	:	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.

The information and in particular, the recommendations relating to the application and end use of DMS products, are given in good faith based on our current knowledge and experience. The information and recommendations are given without warranty of any kind and does not lead to any further liability for DMS, besides what is stated in the sales agreement. It is the buyer or end-user's responsibility to investigate or in other way make sure that DMS product suitable for the intended use and further are stored, handled and applied in accordance with stated directions. All orders are delivered and accepted in accordance with our general conditions of sale