

### Environmental protection at the building site

The ground and surface water on site needs to be protected against harmful chemicals. Chemicals must be stored in appropriate containers on site. Chemicals stored outside of containers or vehicles must stand on impervious hardstanding.

In accordance with the 2023 DGNB manual, the best way to avoid inappropriate environmental pollution, is to avoid products with the following H-phrases (hazard statements).

H400	Very toxic to aquatic organisms
H411	Toxic to aquatic organisms, with long-term effects
H412	Harmful to aquatic organisms, with long-lasting effects
H413	May cause long-term harmful effects to aquatic organisms
H420	Harms public health and the environment by destroying ozone in the upper atmosphere

There must be focus on selecting materials without H-phrases. All safety datasheets must be delivered for approval before start of works on site and before the product enters the building site, including the expected quantities. These SDS must be kept easily accessible on the building site during the construction works. This includes fuels, paints, surface treatments, refrigerants, cleaning substances, floor coverings, floor treatments, etc.

If a sub-contractor cannot avoid using a product with one of the named H-phrases, Building Management must be involved, as a number of measures must then be taken to ensure that no pollution occurs from use of this product.

### Minimisation of dust

It is possible to prevent and limit exposure to dust. This is done by using the following principles in the correct order:

### Waste management

It is important that all construction waste is sorted according to the rules and requirements for the project. Containers have been set up on the construction site for the various factions, which include guiding signage.

Household waste must be handled properly; this involves storage in accordance with associated signage, in closed containers set up by the site huts.

In connection with the project being DGNB-certified, it is a requirement that all waste must be sorted in accordance with the set-up containers with associated signage and the following measures:

- All types of transport pallets are handled with care by all subcontractors so that direct recycling of these can be maximized, instead of these being sent to waste. If this can be done, it would result in both less waste and less costs in terms of disposal of the waste.
- Take-back programmes must be investigated with suppliers where possible, so that waste and packaging are removed from the building site by suppliers.

### Minimisation of noise & vibrations

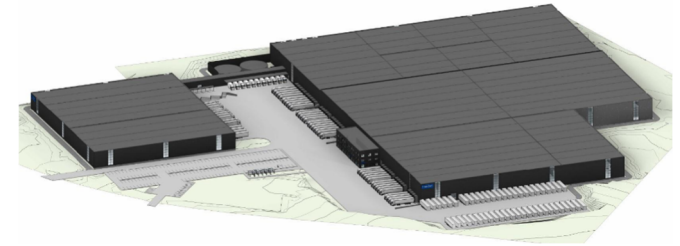
When making noisy work, always use the most noise-reducing method. For noisy activities between 18.00 – 06.00, the work must be coordinated with the construction management (DS Flexhal) and the OHS coordinator. Reference is made to Middelfart Municipality's noise rules. See also HS plan for the construction site.

#### Noise:

- Attenuate the noise at the source, for example by turning off or stopping equipment that is not in use and by avoiding metal-to-metal collisions.
- Attenuate noise from noisy machines, e.g. sound-absorbing materials in cabs of construction machines, encapsulation of compressors, sound barriers, etc.
- Ensure a less noisy method where possible.

# Welcome to the construction site T Hansen + DGNB

A DGNB construction site with sustainability at the centre



This booklet is handed out to all craftsmen and suppliers who stay or work at the construction site "T Hansen, Middelfart"



**DS Flexhal**

17-04-2024

### 1. Remove the cause

- Use materials which do not create dust, for example wet mortar instead of dry mortar or ready to use and dust-reduced tile adhesive instead of dry products.

### 2. Limit the cause

- Use process suction connected to a suitable CE-marked vacuum cleaner, dust class H, if there are cancer-causing substances in the dust, as there are in most construction site dust. Remember it must be of the dust extractor type.
- Use air cleaners so that the amount of dust is generally limited. Continuously clean surfaces - either by vacuuming or wet scraping/wet sweeping. As far as possible, work from top to bottom so that finished areas are not contaminated by dust.
- Use working methods where the workers are separated from the dust generation, for example by using construction machinery equipped with a positive pressure cabin.
- Keep dusty work processes separate from non-dusty work. For example, separate the work area from other work with a dust wall or other covering or organize the work so that dusty work processes do not take place at the same time as non-dusty work.
- Normally, the extracted air may not be recirculated if it is removing dust that contains carcinogenic substances.

### 3. Protect against the cause.

- If you cannot avoid the creation of dust, and the dust impact cannot be countered in any other way and is serious, personal protective equipment and respiratory protection must always be used when working in dusty environments.

- Limit noisy work, for example by making recesses for holes in concrete decks and walls rather than subsequently punching and drilling them, or by, for example, having steel bolts delivered in fixed dimensions, which reduce noisy cutting.
- Choose quality tools and machines that make as little noise as possible.
- Limit the time you spend in noise. This can be done, for example, by several people carrying out/sharing the work.
- Ensure good maintenance of machines and tools, so that worn and noisy parts are replaced or lubricated.
- Plan the work so that the individual craftsmen do not unnecessarily expose each other to noise.

#### Vibration:

- Use less vibrating methods
- Plan the work so that it produces the least possible vibration.
- Replace, if possible, hand-held tools, e.g. by using remote-controlled tools/machines.
- Carry out maintenance in tools on a fixed routine.
- Think about the vibration level when buying new machines or tools.
- Limit the time you are exposed to vibrations. This can be done, for example, by several people carrying out/sharing the work.

#### **Sustainability rounds**

Building Management will carry out rounds via Dalux, where the handling of sustainability requirements will be evaluated. If conditions are found that require rectification, these will be forwarded to the responsible contractor. Good examples will of course also be highlighted. These will be printed as reports and shared with the contractors via Dalux Field. At regular intervals, possibly according to construction meetings or safety meetings, contractor reviews of the reports will be held, so that it is ensured that any non-conformities are not repeated. Shrinkage of insulation around cables etc.

# thansen



**DS Flexhal**

Any questions, please contact: DGNB-coordinator  
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**"God arbejdslyst!" / Enjoy work!**