# Søuld

# General Installation Instructions

## 1. INTRODUCTION

Søuld products are made primarily of eelgrass, a natural material that expands and contracts in response to air humidity and temperature. The organic matter is inherently variable, leading to slight fluctuations in the mats' dimensions and weight as the mats adjust to changing conditions. It is therefore important to carefully follow Søuld's instructions for correct storage, acclimatisation and installation.

## 2. PREPARATION & INSPECTION

Søuld's Installation Instructions are provided as a guide for the installer, and it is the installer's responsibility to complete all necessary preparation. For optimal results the installer must properly assess the conditions of the building and installation surfaces, select the appropriate suppliers/contractors, and carefully follow Søuld's instructions.

Before beginning the installation, the installer must check the Søuld products they have received and notify Søuld immediately if there are any product defects or non-conformities. Søuld is not responsible for any product adjustments, repairs or replacements after installation.

## 3. TRANSPORTATION & STORAGE

- For transport, Søuld recommends stacking a maximum of 10x Søuld Acoustic Mats and 20x Søuld Acoustic Boards per pallet. If stacking more, please use Søulds boxes.
- When loading the mats/boards, place and stack them with the more porous front side facing upwards.
- Søuld Acoustic Mats/boards must remain flat during transportation and storage. They must be stacked according to their dimensions and mounted on supports to ensure easy handling and lifting and to avoid damaging the material at delivery. The edges must be protected whenever the material is handled, especially when unpacking it.
- Søuld's products waiting to be installed should be stored in original packing in a climate-controlled environment without high temperature and relative humidity levels, always avoiding sudden changes in these conditions.

## 4. ACCLIMATISATION

- Before beginning installation, Søuld's products must be unpacked and left to acclimatise to the final temperature and humidity conditions of the room/building for a minimum of 2 weeks.
- To achieve optimal product acclimatisation, distribute the mats/boards separately (not stacked) throughout the site of installation. Do not put them directly on a floor with floor heating or similar.
- During acclimatisation, the products will adapt to the temperature and humidity conditions that are expected to be present in the use phase of the room/building.
- Lack of acclimatisation could result in changes to the products dimensions, weight and performance.

## 5. SURFACE CONDITIONS

- Clean and smooth the installation surfaces before mounting Søuld products. Remove dust, loose particles, dirt and grease. Smooth any rough areas and fill any holes so that the surfaces have a uniform, even level with a maximum surface variation of +/- 2 mm. Be extra careful with painted surfaces to ensure there are no flakes or chipping paint.
- Surfaces must be completely dry before installation. Never install Søuld products on a freshly painted surface.
- Do not install Søuld's products in wet rooms, bathrooms, near kitchen sinks (wet areas), outdoor or at uninsulated external walls/ceilings.
- To meet Søuld's fire classification, installation surfaces must meet the following end-use conditions: Substrates of classes A1 and A2-s1,d0 with at least 12mm thickness and a minimum density of 525 kg/m3.

## 6. CUTTING

- Søuld Acoustic Mats/Boards are easy to cut using a table saw, circular saw or equal.
- It is recommended to use a sharp blade to minimize frayed edges.
- Only cut one mat/board at a time.

## 7. SAFETY

- It is necessary to use a mechanical ventilation system or wear a protective face mask when cutting and installing Søuld Acoustic Mats. This is to protect from the dust and particles that may be emitted.

## 8. MAINTENANCE

- Søuld Acoustic Mats/Boards are robust and durable products designed for interior wall or ceiling application. However, to preserve the life of the products, Søuld's products should be not installed in high-traffic, humid or dirty environments.
- After installation and during everyday use, gently clean Søuld products with a soft duster to remove dust and particles.
- To perform a deeper clean, use a vacuum cleaner with a brush attachment, sweeping lightly across the product surfaces. To avoid loosening the product fibres, do not apply too much pressure or drag cleaning equipment across the surfaces.
- Do not use scouring pads or any sharp/rough cleaning equipment that could fray the surfaces. Avoid banging or dragging objects across the surfaces.
- Do not use commercial cleaning products. Do not use alcohol, stain removers, thinners, acetone, trichloroethylene, ammonia, bleach, vinegar, anti-limescale cleaners, powder cleaners or detergents, or any other products that contain these substances.

## 9. REPAIRS

- Søuld's eelgrass products have a consistent fibrous structure throughout the interior and surface. Hence, minor damages to the surface typically don't impact the appearance of the products. Products with significant damage will need to be replaced, as it is not possible to repair damaged mats.

## 10. REUSE, RECYCLING & DISPOSITION

- Søuld's Acoustic Mats/boards are designed to be fully circular.
- By agreement with the customer, Søuld can take back used Søuld products, shred them down and recycle the fibres. The recycled fibres can be blended into standard Søuld products or used as a base for second-generation Søuld materials.
- Used Søuld products that are not returned to Søuld can be disposed of via combustion at heating plants.

# Mounting with Glue

## FRONT & BACK

Due to the production process, the front and back sides of Søuld's Acoustic Mats/boards have a slightly different texture. The front side is the most porous. The back side is harder and more compressed and light. Søuld always recommends installing the mats/boards with the front side facing outwards, into the space. It is important to note that if Søuld Acoustic Mats/Boards are installed with the back side facing outwards, the material's performance specifications will not be fulfilled.

## RECOMMENDED GLUES

Danalim - Marine Bond & Seal 541 / Turbo Tack or similar. NOTE: Be very careful not to get glue on the front of Søuld's Acoustic Mats/boards, as this cannot be removed with a satisfactory result.

## REUSE OR RECYCLING

After installation it is possible to carefully dismantle the products from the wall or ceiling and carefully pull off the adhesive string. The product can thus be reused 1:1 or sent back to Søuld's factory to be recycled.
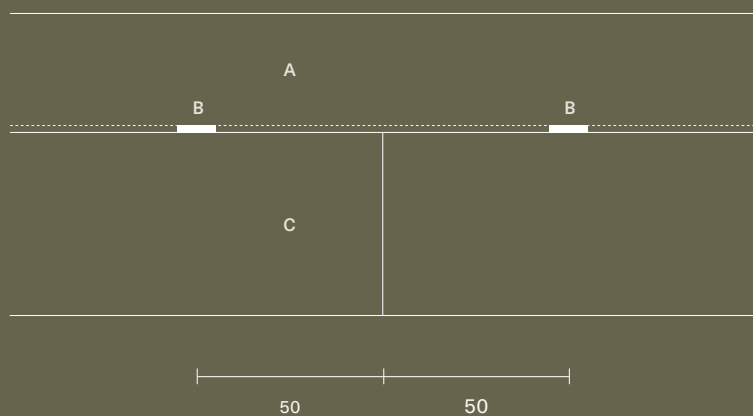
SØULD

## INSTRUCTIONS

1. Read and follow steps 1 through 6 of Søuld's General Instructions before proceeding with the Mounting Instructions. Pay careful attention to acclimatisation, surface preparation and safety.

2. Select the necessary equipment for mounting with glue.

3. Position the mats in the desired positions, then mark the wall or ceiling with a pencil to form a mounting guide.

4. Before mounting all the mats/boards, mount one mat/board to ensure the desired outcome.

5. Apply the glue as strips on the backside of the mats/boards. The strips of glue should be approx. 8 mm in diameter and should be placed approx. 100 mm apart.

6. After applying the glue, carefully place the mats in their desired positions on the walls or ceilings, and carefully press the mats into place.

7. Mount the mats to the walls or ceilings one-by-one and row-by-row, starting from the lower levels. Ensure the first row is perfectly aligned before moving on to the next row. Søuld recommends mounting the mats with the front side facing outwards into the space.

8. Leave the mats to dry for 24-48 hours and do not touch or move the mats during drying time.

INSTALLATION INSTRUCTIONS
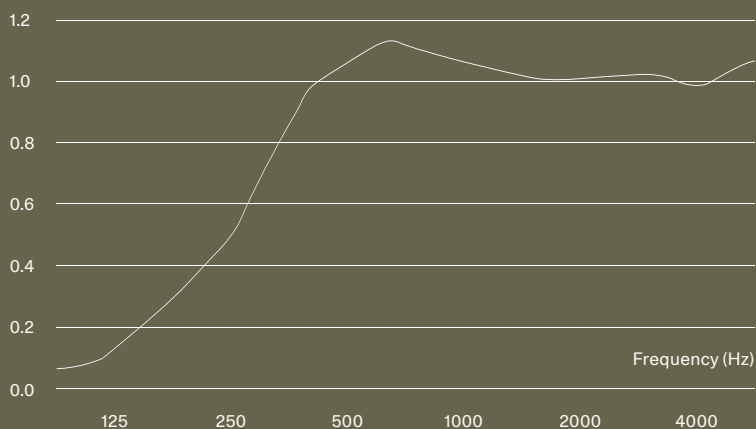
## MOUNTING DIRECTLY ON WALL/CEILING

Techincal Drawing



| A | Celing/wall * |
|---|---|
| B | Glue |
| C | Søuld |

* Min. fire class A2-s1,d0

## ACOUSTIC PERFORMANCE

Sound Absorption Coefficient (only for Søuld Acoustic Mats FR)



| aw | 0,85 |
|---|---|
| NRC | 0,90 |
| SAA | 0,88 |
| Class | (B/MH) |

## POSITIONS OF GLUESTRINGS

50

50   100

Glue string

## PATTERNS FOR INSTALLATIONS

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