

Instructions for disassembly/ component extraction of HeartFelt® Linear Felt Ceilings

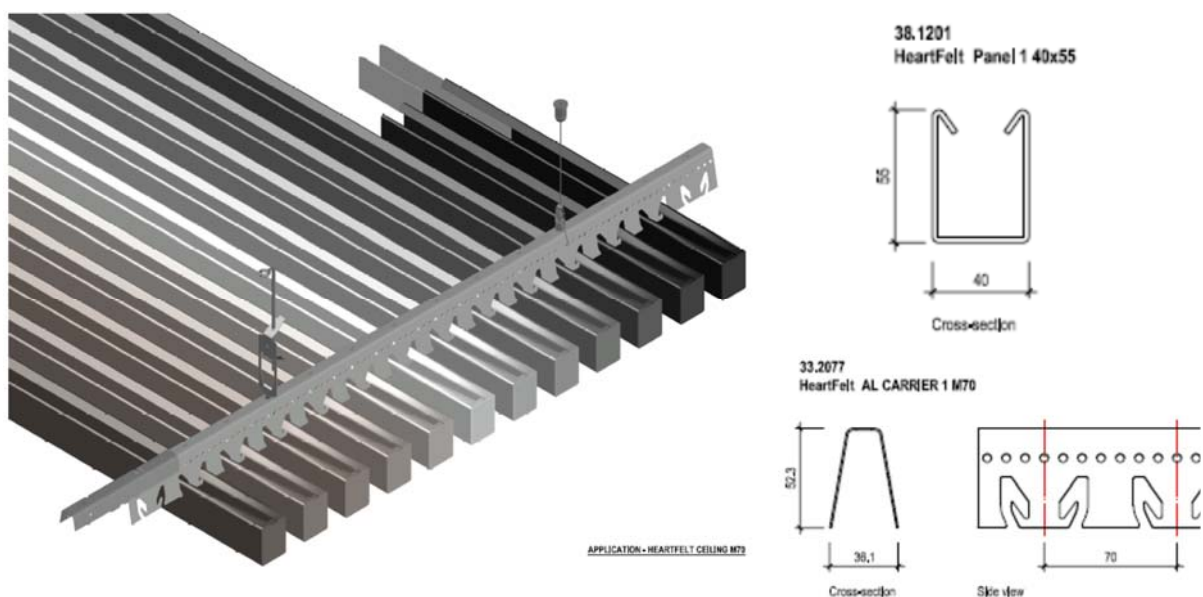
1.0 Introduction

HeartFelt® Linear Felt Ceilings are a new and unique product in the construction business. Therefore we have composed this document to provide answers to possible questions raised concerning issues related to disassembly and extraction of individual components.

1.1 Fixings and connections

HeartFelt® Ceilings are designed for easy demountability with only mechanical connections between all individual components (top to bottom):

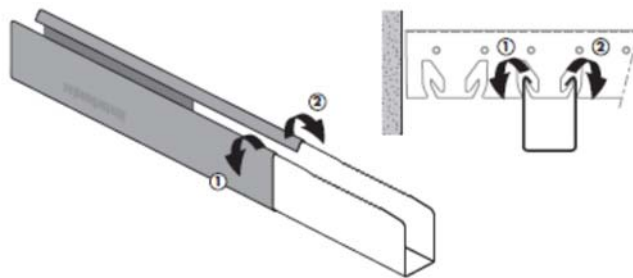
- Fixings to the structural ceilings are not part of the supply package but in most cases comprise of plugs inserted into a hole in the concrete and a screw/ bolt inserted into the plug
- Galvanised steel hanger wires are mechanically fixed by a screw/ bolt going into the plug
- Galvanised steel suspension springs slide over the hanger wire and clamp themselves tight without any fixing
- Arrow-shaped ends of the suspension springs fit into holes in the upper flanges of the aluminium panel carriers
- Aluminium carriers are connected with each other in a longitudinal direction by aluminium carrier splices that snap on top of the carriers. The actual fixing is done by small lips that fit into holes punched in the carrier sides.
- Felt panels slide into slots in the vertical flanges of the aluminium carriers. The felt panels have flanges that hook behind prongs in the slot of the carrier.



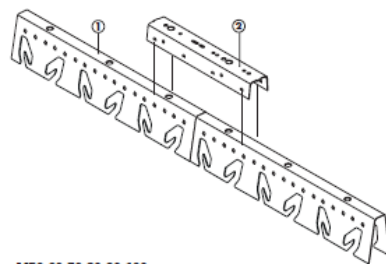
2.0 Disassembly

Disassembly is executed bottom-up and does not require any tools (with the exception of the top fixing):

- Panels are removed by peeling the panel edges from the prongs of the carrier and sliding the panel out of the slot.

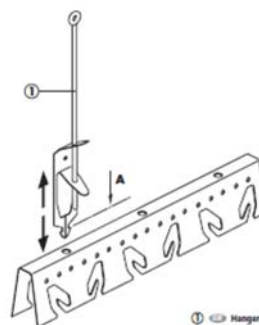


- Carrier splices are removed by squeezing the vertical flanges of the carrier just below the carrier splice until the lips in the splice disengage from the holes in the carrier side. The splice can then be easily lifted off.



M50-60-70-80-90-100

- The legs at the bottom of the suspension springs are slightly offset against each other. By squeezing the legs together, the arrow-shaped ends will disengage from the hole in the carrier. Repeat over the length of the carrier. The carrier can now be removed from the ceiling.



- By squeezing the oblique legs at the top of the suspension spring together, the spring can be slid down from the hanger wire
- The hanger wire is removed by unscrewing the screw/ bolt from the plug in the concrete.

2.1 Component extraction

All components are singular elements, not bonded/ fixed to any other element and can be extracted without any problems. When the disassembly is executed with proper care, all components can be extracted for future use. Obviously all components can be fully recycled but that is the least preferred option.

2.2 Reuse and cleaning

In general the individual components do not require refurbishment and can be reused as is. One point of consideration is that the HeartFelt® Linear Felt panels are made to order for specific projects. For that reason it is possible that lengthwise the panels may not fit directly into a new location/ project. However, the panels are easily cut by hand to be made to fit.

To maintain visual (and technical) quality, the individual components may require cleaning. If so desired, all metal components can be wet cleaned with water and a mild, neutral (pH=7) detergent. When simple, light cleaning is required (dusting) we advise to clean the HeartFelt® Linear felt panels with a feather duster. For heavier pollution, vacuum cleaning is an option. When wet cleaning is necessary, cold to lukewarm tap water or a solution with a mild neutral (pH=7) detergent (i.e. household cleaner) may be used. After applying a solution and cleaning, rinse with lukewarm water. One shall be careful to avoid heavy rubbing to prevent fuzzing/ pilling of the surface. Always test the intended cleaning agent on a non-visible part of a panel before commencing cleaning.

3.0 Material contamination

As mentioned above, all components are singular elements. However, most of the components do have surface treatments/ conservations (i.e. galvanisation or paints).

Products	Material	Surface treatment
Hanger wire	DX51 D+Z	3μ electroplated zinc coating
Suspension spring	Ck-60-HA	3μ electroplated zinc coating
Carrier	EN AW5050	20μ polyester paint (black or transparent)
Carrier splice	EN AW5050	20μ polyester paint (black or transparent)
HeartFelt® panel	PES	-