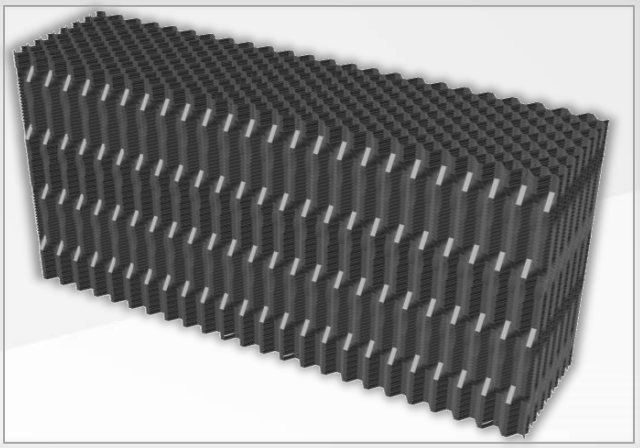
FMV 21



FMV 21 (Fill Media – Vertical type – **21** mm)
is a structured fill media obtained by the assembly of PVC thermoformed sheets.

Design

The thermoformed profile is 21 mm in height.
The FMV 21 is a vertical flute fill media with an enhanced water distribution system which develops over 140m2/m3: the ideal choice to keep an efficiency level comparable to cross fluted media.

The PVC thermoformed sheets can be made of different thicknesses in order to adapt the block mechanical characteristics to the specific application needs.

Principal applications:

The FMV21 vertical structure and its high specific surface allow this product to find a wide use in many applications among with:

- Fill media for evaporative cooling towers
- Fill media for gases and fumes abatement columns , like wet scrubbers and stripping columns
- Fill media for waste water treatment, such as high rate trickling filters and compact systems

PVC Characteristics:

The PVC used to make this fill media comply with the most restrictive standards, such as the CTI rule 136 and the ASTM E-84, presenting many advantages:

- Lightness, which allows an easy handling;
- Self-extinguishing and fire resistant (ASTM E-84);
- High mechanical resistance, in particular to compression;
- Resistance to the majority of chemicals and to the biological aggression;
- It is an hydrophilic material, this is why water forms a well distributed liquid film while flowing on it.

Working Temperature		
Standard	High Temperature	Low Temperature
-5°C ÷ 60°C	-5°C ÷ 75°C	- 40°C ÷ 60°C

Fill Media for Cooling Towers

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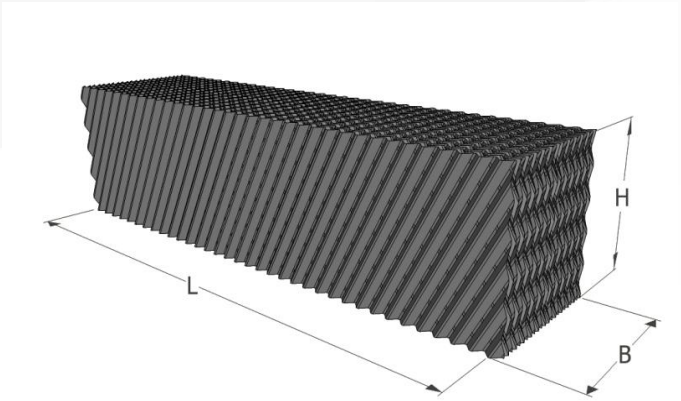
Refill TECH SOLUTIONS

Available Sizes

Sheets sizes depend on the mould size and from the possibilities
given by our thermoforming machines.
On request we can supply cut to size blocks.

FMV 21 can be supplied both in pre-assembled blocks and sheets to be assembled on site.
The latter option allow to optimize the freight volume and consequently to reduce the transport costs.
The assembly process can be chemical, using a solvent glue, which doesn't leave any residual in the finished product, or thermal, by welding.
Refill tech solutions can supply the suitable machines to make these operations.



Standard Block Sizes: L x W x H		
1200 x 300 x 300 mm	1800 x 300 x 300 mm	2400 x 300 x 300 mm
1200 x 300 x 600 mm	1800 x 300 x 600 mm	2400 x 300 x 600 mm
1200 x 600 x 600 mm	1800 x 600 x 600 mm	2400 x 600 x 600 mm

Standard Sheet Sizes: L x H		
1200 x 300 mm	1800 x 300 mm	2400 x 300 mm
1200 x 600 mm	1800 x 600 mm	2400 x 600 mm

Specific Surface	Thermoformed Profile Height	Standard Sheet Thickness	Void Index	Material
146 m^2/m^3	21 mm	300 micron up to 700 micon	98 %	PVC

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