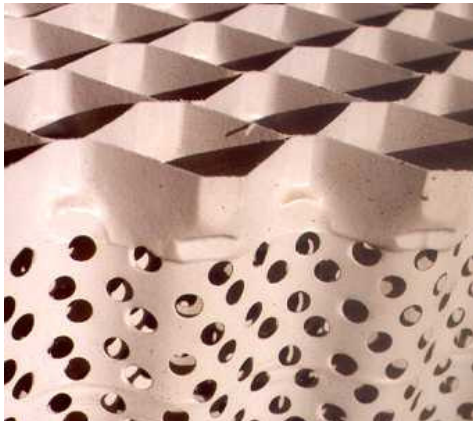
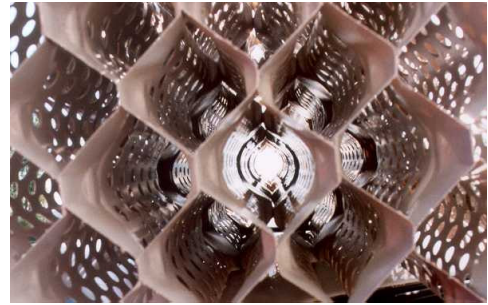


Coolfree - TR40V

Cooling Tower Film Fill

Most advanced anti-fouling & anti-scaling film fill

- The COOLFREE is the most advanced film fill combining low-fouling and low-scaling properties whilst retaining good thermal performance. (Qualification given by EDF)



- Using Hamon's well proven technology of the non-contact sheets this is a vertical core fill design with wide openings. The sheets are smooth and include a large number of holes. The holes induce beneficial turbulence for the heat transfer, whilst no fouling or scaling occurs on the supports.
- The very low pressure drop of the fill makes it particularly well adapted for natural draft cooling towers. The main application is for cooling towers using very poor water quality, in some cases even without water treatment. It is also very good for film fill cross-flow cooling towers.

Technical Specification

Material	PVC	Colour	Dark grey to black
Fire Classification	M2	Typical module width	1000 mm (or n*20mm)
Typical module length	2000 mm (n*50 mm) or 1000 mm (fixed)	Typical module height	1000 or 500 mm (fixed) or single sheet (n*125 mm)
Sheet thickness (before forming)	0.3 mm (suspended) or 0.35 (laid on beams)	Typical specific weight	19.5 kg/m ³ ± 5% (0.3 mm thick) 23.0 kg/m ³ ± 5% (0.35 mm thick)
Sheet pitch	20 mm	Fouling rate coefficient	0.11 (base: SNCS=1.0)
Emptying factor	>95%	Specific heat exchange surface	118.7 m ² /m ³
Maximum debris size (Diameter)	30 mm	Maximum water temperature (continuous operation with fan on)	55°C
Maximum total suspended solid	180 ppm	Maximum salinity (sea water)	70 gr/l
Methods or support	Suspended or laid on beams		

- Other materials options are: U-PVC & ABS; sheet thickness of 0.35 to 0.6mm; varying module sizes; fire classification (M1); temperature resistance (up to 80 °C). Other colours may be obtained.
- The corrugated sheets are solvent welded (glued) together to form pack modules. The gluing can be carried out on site to avoid large volume transportation.
- Modules can be formed in a single sheet height (Vertically Suspended Modules)

Mar 04

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