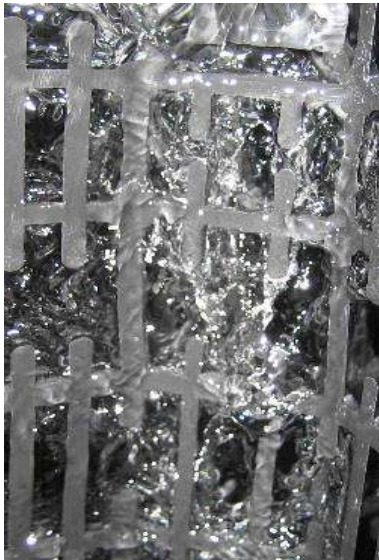


'NC20' - High-performance Trickle Fills

Hewitech Trickle Fills developed the market for cooling tower fills.

CTI article, summer 2012, demonstrates increased performance over cellular fills in natural draft nuclear power cooling towers.

Low drop pressure and the waterfilm creation ensure the highest thermal performance



Features and Benefits:

- Available in three different structures
- Mechanical Assembly (MA) gives strength and enables field construction
- Fire-risk of Trickle Fills lower than cellular PVC fills compliant with DIN4102 B1
- Mechanical strength > 20kN/m², many times higher than typically required
- Produced from a UV-protected Polypropylene
- Comparable and increased thermal performance over cellular fills
- NC20 can be cleaned by high pressure sprayers (e.g. Kärcher)
- Assembly in endless length - so no waste for different module-lengths
- Existing support beams can be reused by extended modules
- Maximum continuous operation temperature at 75°C (167°F)
- Often used as top layer on cellular film fills for improved water distribution and higher mechanical resistance
- SS (suspended solids) >500ppm confirmed by client testing
- Hewitech – creator of Trickle Fill since 1997

technical data

effective surface	[m ² /m ³]	~ 125
width of channel	[mm]	2x 20
material (UV-stabilised)		PP, PE
standard dimensions	[mm]	910 x 600 x H: 450 /225
void	[%]	> 97
plastic thickness	[mm]	~ 1.5 - 2mm
temperature of operations	[°C]	-20 to 75 (others on request)

Additional advantages of NC20

- Technical support available online : see www.hewitech.com
- Hewitech products conform to REACH requirements : the raw materials used are listed and approved in accordance with Europe regulations (2007)
- Mechanical assembly 'MA' by hand with Hewitech tool
- Automatic assembly machine available for projects >1500m³
- Higher mechanical resistance due to male/female interface
- Low shipment costs of loose sheets: > 250m³ per container
- Approved and certified for nuclear power cooling towers
- Compliant with various fire-norms: ASTM E84 FS<25; UL94, DIN 4102 B1, EDF-norm,

*Hewitech > 15 years
experience with NC20*

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