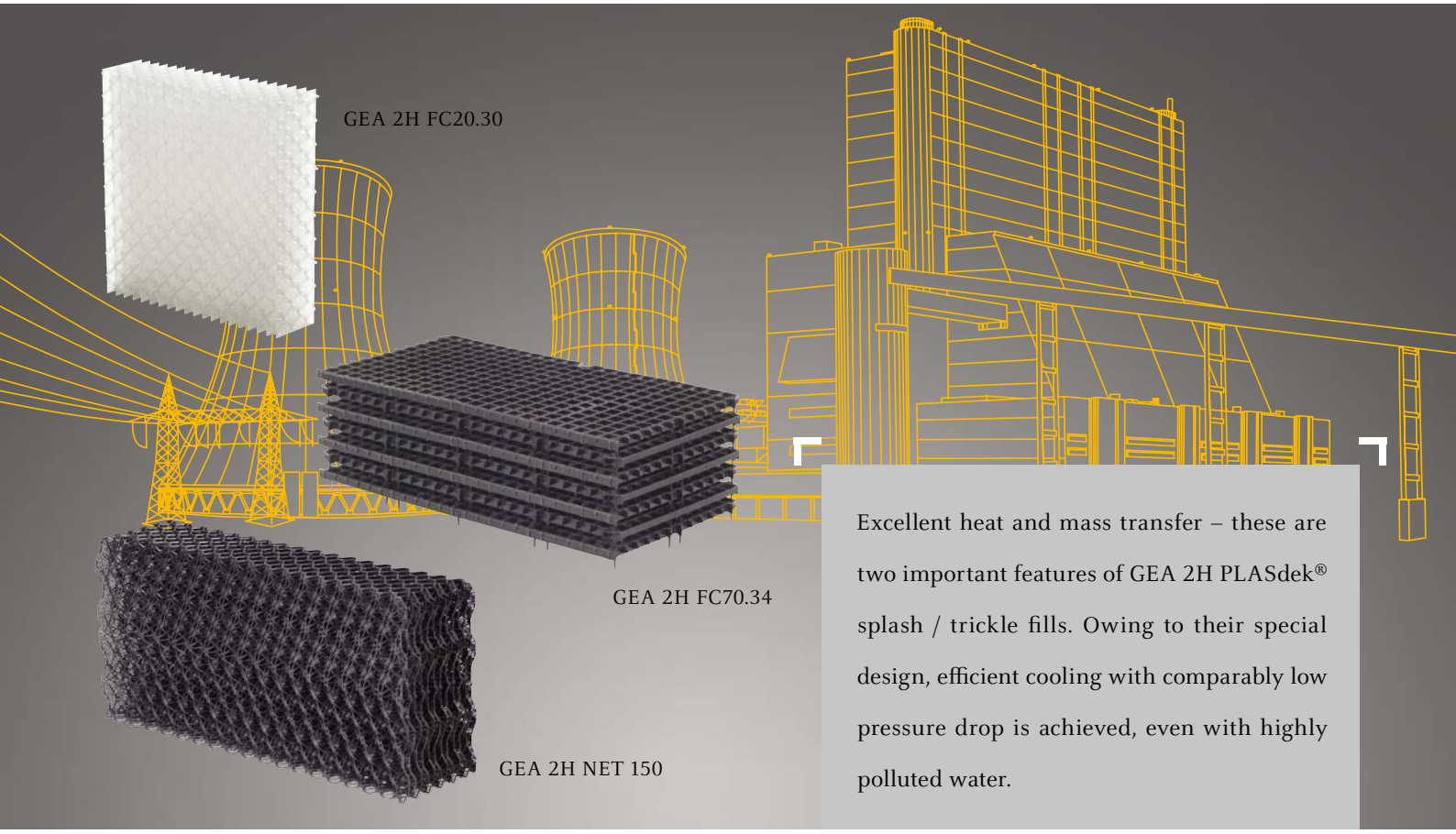
GEA 2H PLASdek® Splash / Trickle Fills with HX-Factor

Efficient water recooling in cooling towers



Excellent heat and mass transfer – these are two important features of GEA 2H PLASdek® splash / trickle fills. Owing to their special design, efficient cooling with comparably low pressure drop is achieved, even with highly polluted water.

GEA 2H splash / trickle fills have been specially designed for medium to strongly polluted cooling water. The focus of the development laid on a high stability as well as on easy and economical installation. Therefore those fills are built from only mechanically joint grids and are easily cleaned.

The NET grid packings are high-performance fills which show an optimized pressure drop. GEA offers a unique flexibility in measures for this fill type.

By using various materials like for example flame-retardant Polypropylene (PP), high-temperature PP or the special GEA 2H SANIPACKING® PP, the NET grid can be adapted to manifold requirements.

Our products have got the HX-Factor. It is our promise and stands for our unique competence in heat exchange (**HX** = **H**EAT E**X**CHANGE).

HX-Factors of our PLASdek® Splash/Trickle Fills

- Products suitable for inferior water qualities
- Chemical and high temperature resistance of Polypropylene
- High stability
- Cleaning with high pressures cleaners possible
- Long service life
- Impact resistant
- Environmentally friendly
- Economical installation

GEA 2H PLASdek® Splash / Trickle Fills

Technical Data

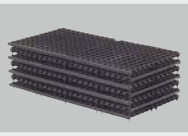
	NET 150	FC70.34	FC20.30
Max. length	905 mm	1000 mm	600 mm
Max. width	604 mm	500 mm	1200 mm
Max. height	450 mm	45 mm	150 mm
Continuous operating temperature*	80 °C	80 °C	80 °C
Max. operating temp. (short time)*	90 °C	90 °C	90 °C

*Depending on recipe/additives higher temperatures can be reached by HT-additives.

Maximum tolerances: On all dimensions +/- 20 mm or 2 %, whichever is the greater. Higher tolerances by prior agreement.

Maximum application temperature: The operational temperature should be measured at the inlet pipe of the system and should not exceed the maximum application temperature stated in this brochure.

Types

Application		Type	Material	Geometric surface area m²/m³	Effective surface area m²/m³	Corrugation height mm	Spacing of supports mm	Width of supports mm
Polluted water (counter and cross-flow)		NET 150	PP	80	up to 130	20	800	50
Strongly polluted water (counter flow only)		FC70.34	PP	50	–	45	250	25
Polluted water (counter flow only)		FC20.30	PP	110	110	30	300	15

This information has been put together with greatest care. However, any performance data given in this leaflet is subject to compliance with certain surrounding conditions and hence may vary from case to case. Further, we reserve the right to make changes at any time without notice. We strongly recommend (i) reconfirmation with GEA 2H whether this information is still fully valid, before using it for final designs and (ii) to verify performance data taking into account the actual surrounding conditions. GEA 2H takes no responsibility for any consequences due to non-compliance with these recommendations.

Management System ISO 9001:2008
TÜVRheinland ZERTIFIZIERT
www.tuv.com ID 9105070210

GEA 2H Water Technologies, Germany, is ISO 9001:2008 certified.

GEA Heat Exchangers

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