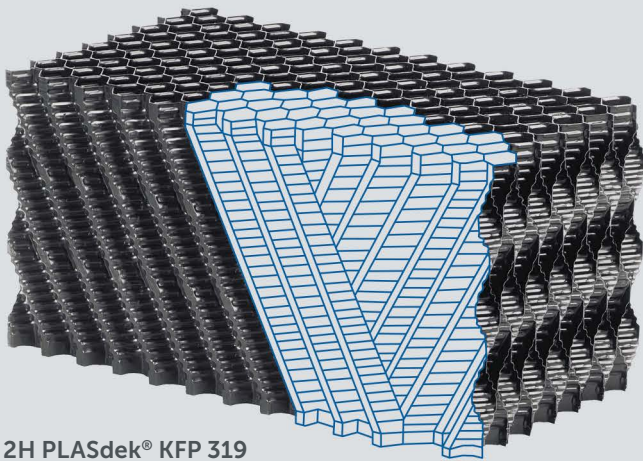


## 2H PLASdek® CROSS-FLUTED FILLS

Efficient Water Cooling in Cooling Towers



2H PLASdek® KFP 319



2H PLASdek® KZC 312

In the manufacturing process we developed the foils are reinforced at the outer edges and in the middle and are therefore very stable. This makes our film fill media extraordinarily resistant to erosion.

Our unique welding method connects the single foils with up to 20.000 welding points per m<sup>3</sup>. This high number of connections results in robust packings with high mechanical load capacity.

Bearing capacity and weight/m<sup>3</sup> depend on sheet thickness. It will be selected according to customer specification in consideration of process conditions and safety factors for temperatures, lifetime and material properties. Our experts recommend solutions for the support structure on request.

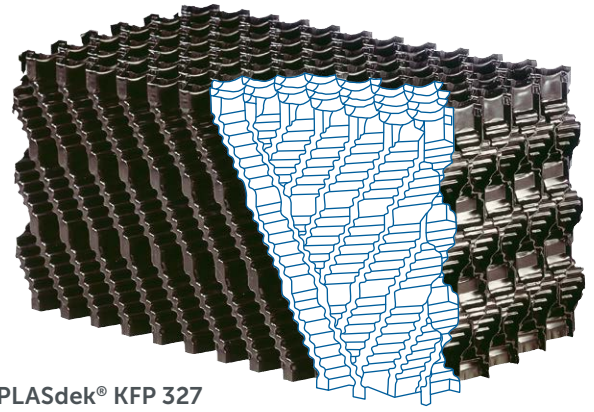
### Features of our 2H PLASdek® Cross-Fluted Fills

- High resistance to erosion provided by patented foil thickness distribution and reinforced edges
- Self-supporting structure – High bearing capacity achieved by large number of connecting points and variable sheet thickness
- Flexibility in material and dimensions makes adaptation to plant requirements easy
- Long service life due to chemical, bacterial and UV resistance of PP and PVC
- Easy and economical installation

Excellent heat and mass transfer due to the high mixing turbulences by the cross-fluted structure – that's what you get from 2H PLASdek® cross-fluted fills. With their high specific surface areas they achieve highly efficient water cooling at low pressure drops.

Technical Data		
	PP	PVC
Maximum length	2400 mm	
Maximum width	600 mm	
Maximum height	300 or 600 mm	
Continuous operating temperature*	-20 – 80 °C	0 – 55 °C
Max. operating temp. (short time)*	90 °C	60 °C

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



2H PLASdek® KFP 327

**Maximum tolerances:** On all dimensions +/- 20 mm or 2 % whichever is the greater. Other tolerances and dimensions 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 temperature stated in this document.

**High temperature applications:** Fill media in high-temperature version in PVC (up to 75 °C) and PP (up to 100 °C) available on request.

Types					
Application counter-flow cooling towers		Type	Material	Specific surface area m <sup>2</sup> /m <sup>3</sup>	Corrugation height mm
Clean water		KZP 312/612	PP	240	12
		KZC 312/612	PVC		
Slightly polluted water		KPP 312/612	PP	232	12
Slightly polluted water		KFP 319/619	PP	150	19
		KFC 319/619	PVC		
Polluted water		KFP 327/627	PP	125	27
		KFC 327/627	PVC		
Strongly polluted water		KFP 338/638	PP	70	38
		KFC 338/638	PVC		

**PVC material:** Unplasticized (uPVC)

**PP material:** Impact-resistant, environmentally friendly

**PVC and PP material:** Resistant to rot, fungi and most dissolved chemicals, UV-stabilized

**Flammability:** Products in flame retardant version according to American and European standards available on request.

National regulations on fire protection should be taken into consideration before choosing a product.

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 us 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. We do not take any responsibility for any consequences due to non-compliance with these recommendations.

ENEXIO Water Technologies GmbH  
 2H Components and Solutions  
 Dieselweg 5, 48493 Wetztingen, Germany  
 Phone +49 25 57 / 93 90 0, Fax +49 25 57 / 93 90 49  
 2h.germany@enexio.com  
 www.enexio.com



ENEXIO Water Technologies, Germany, is ISO 9001:2008 certified.