

Marley DF381—a film fill system designed to significantly reduce the risk of biological fouling without sacrificing high-performance heat transfer.

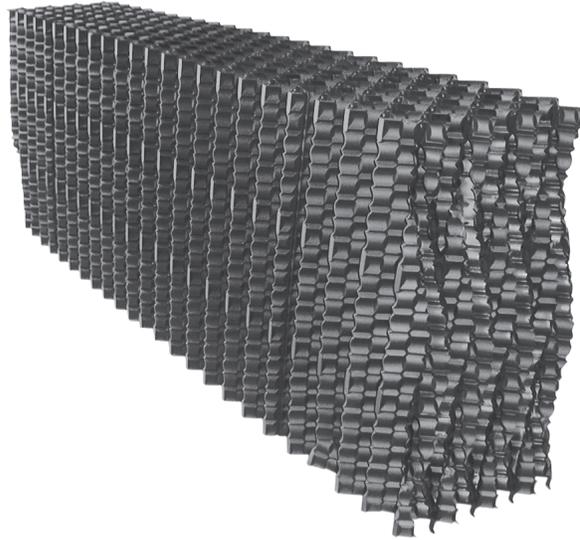
DF381 is a bottom support low-clog log fill configuration. Open, angular cross-corrugations allow debris and biological growth foulant to pass, while providing maximum surface area and turbulence to develop efficient heat and moisture transfer. Texturing at wide sheet spacings

creates thermal capability improvement with little effect on fouling. DF381 guarantees low pressure drop in an aerodynamic, durable design. Flame spread rating is less than 25 per ASTM E-84 and is considered self-extinguishing.

DF381 is easily adapted to your tower's configuration. To accommodate for various fill heights and/or desired duties, DF381 may be installed in multiple layers. DF381 fill is thermoformed from .020"

thick, UV inhibited, chemically-resistant PVC (polyvinyl chloride). The material is extruded and manufactured to rigid specifications before forming, at our Olathe, Kansas plastics facility.

DF381 is available worldwide for any counterflow cooling tower, regardless of a cooling tower's age, design or manufacturer.



## SUGGESTED SPECIFICATION

The fill will be used in counterflow cooling towers.

### Construction and Materials

The fill must be film type, constructed of multiple sheets of thermoformed PVC. Each sheet must contain a pattern of angular cross-corrugations to develop the necessary heat transfer capabilities. Alternate reversal of corrugation angularity on adjacent sheets will establish the fill sheet spacing.

Fill shall be designed to be bottom-supported with a minimum number of supports.

### Fill Depth (air travel)

The fill depth will be chosen to provide the proper thermal performance. To accommodate for various fill heights and/ or desired duties, the fill may be installed in multiple layers.

Fill can also be installed with an overlay of high-efficiency counterflow film fill, giving maximum thermal performance with minimal fouling.

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