

DF254 FILL – THE FACTS

LONGEVITY

Marley DF254 can provide 15+ years of service life at peak performance in typical dirty water applications*.

FOULING RESISTANCE

Marley DF254 has 1-inch wide sheet spacing and consistent slope to allow debris and biological growth foulant to pass.

LONG AIR TRAVEL DESIGN

Each fill pack layer in a cooling tower increases fouling potential at the interface where packs touch. Marley DF254 is available in 4 feet air travel packs to reduce the number of pack layer interfaces.

OEM GUARANTEE OF THERMAL PERFORMANCE

SPX CT warrants that the replacement fill material furnished will provide thermal performance capabilities equivalent to the original material (See Warranty Certificate). Replacing Marley DF254 fill with non-Marley fill may reduce thermal performance by increasing cold water temperature**.

LOWER INSTALLATION COSTS

For air travels less than 8 feet, Marley DF254 needs only 2 fill pack levels, minimizing installation costs.

CERTIFICATION

Material meets or exceeds Cooling Technology Institute (CTI) Standard 136 for strength, flammability, and impact testing.

PRODUCT DESIGN KNOWLEDGE

The PVC formulation used by Marley fill has been specially formulated, tested, and proven to prevent degradation in the harsh conditions of cooling towers***. For example, acrylic impact modifiers are used to maintain strength and UV properties in service..

INNOVATION

We hold 23 fill patents, showing our knowledge and dedication of resources to continuously improve our fill products.f

* Based on Fouling Testing conducted at the SPX CT Development Center. OF21 gained 2.5 lb/ft3 which is 2 to 8 times more weight than DF254 in a 106 day accelerated fouling test.

** Based on test results measuring the approach temperature at SPX CT Development Center

***Based on Exposure and Load Testing Conducted at the SPX CT Development Center

MARLEY DF254 FILL

THE COMPARISON

MARLEY® DF254		BRENTWOOD® OF21MA
Marley DF254 will last 15+ years in typical dirty water applications*	LONGEVITY	Brentwood OF21MA needs to be replaced at least twice as often, or approximately 7 years, resulting in up to a \$140,000 per cell fill replacement cost each time**
Marley DF254 has 1" wide sheet spacing and consistent slope to allow debris and biological growth foulant to pass	FOULING RESISTANCE	Brentwood OF21MA has 0.82" wide sheet spacing and multiple cross-corrugated zones which provide locations where solids and biological growth may accumulate
Marley DF254 is available in 4 feet air travel packs to minimize the number of pack layer interfaces	AIR TRAVEL	Brentwood OF21MA max pack height is only 2 feet resulting in more pack interfaces, further increasing fouling potential
Patented texture design provides maximum surface area and turbulence for efficient heat transfer, without sacrificing fouling resistance, to maintain optimal performance over time	THERMAL PERFORMANCE	Achieves equal performance to DF254 due to cross-corrugated zones within pack, but those zone transitions increase fouling potential reducing performance over time***
Marley DF254 in air travels up to 8 feet needs just 2 pack levels, or 1 interface, to achieve required height	INSTALLATION	Brentwood OF21MA in common air travels needs multiple pack levels resulting in 2 to 4 interfaces to achieve required height which may increase labor hours

* Based on Fouling Testing Conducted at the SPX CT Development Center. OF21 gained 2.5 lb/ft3 which is 2 to 8 times more weight than DF254 in a 106 day z accelerated fouling test.

** Typical market pricing based on material, labor, and freight estimate to replace OF21MA fill within a single 48 ft. x 48 ft. cell with approximately 6 ft. (70.86") air travel.

*** Based on test results measuring the approach temperature at SPX CT Development Center

MARLEY DF254 FILL

THE COMPARISON

MARLEY® DF254		EVAPTECH TECHCLEAN 214 AND 312
Marley DF254 is available in 4 feet air travel packs to minimize the number of pack layer interfaces	AIR TRAVEL	EvapTech 214 and 312 fills in a 2 feet pack height result in more pack interfaces thus increasing fouling potential*
Patented texture design provides maximum surface area and turbulence for efficient heat transfer, without sacrificing fouling resistance, to maintain optimal performance over time	THERMAL PERFORMANCE	Achieves equal performance to DF254 due to high angle sections within pack*

*Based on test results measuring the approach temperature at the SPX CT Development Center