



## Five myths about aramid mooring lines

Innovative technology is often the subject of misunderstanding and confusion. Aramid-based mooring lines are no exception: over the years, various stakeholders within the maritime mooring line industry have wrongly dismissed this technology because of a lack of hard data. It's now time to bust some of the myths surrounding aramid-based mooring lines!

### Five myths about aramid mooring lines

- **Myth #1:** Aramid-based mooring lines fail under UV light exposure – **FALSE!**
- **Myth #2:** Aramid ropes have a bad dynamic performance – **FALSE!**
- **Myth #3:** The whole world is 21°C and has rainy weather conditions – **FALSE!**
- **Myth #4:** The application of aramid mooring lines has never been successful – **FALSE!**
- **Myth #5:** All high-performance fibers have some limitations – **TRUE!**

## Myth #1



*Aramid-based mooring lines fail under UV light exposure*

In fact, UV light will only ever minimally affect the outside surface of the mooring line, penetrating to a half a filament thickness, and will not affect the inner filaments at all. This means that mooring lines that effectively integrate aramid fibers will hardly be affected by UV light.

## Myth #2



*Aramid ropes have a bad dynamic performance*

Aramid-based mooring lines actually offer a similar dynamic performance to traditional mooring line solutions, such as those based on steel and HMPE materials. In fact, in dry and hot conditions, aramid-based ropes perform better dynamically than HMPE-based mooring lines.

## Myth #3



*The whole world is 21°C and has rainy weather conditions*

HMPE-based mooring lines perform well at moderate temperatures and in wet, rainy conditions – but not every location has weather like this! Aramid-based mooring lines can offer better performance at higher temperatures and for a wider range of environmental conditions than HMPE-based mooring lines.

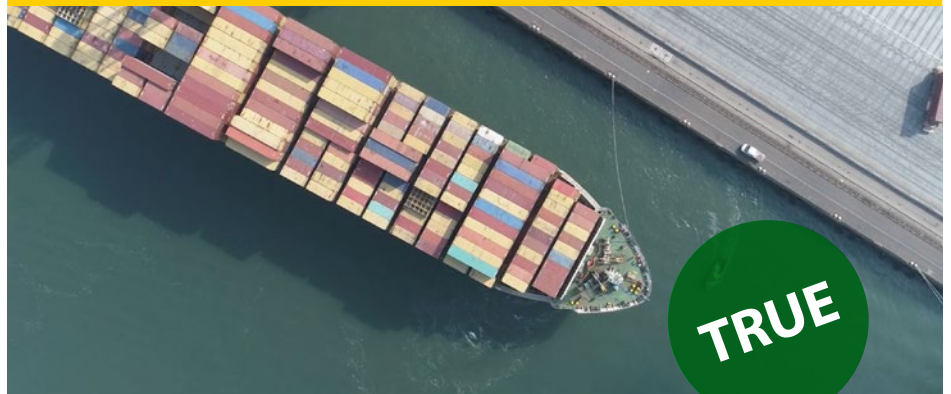
## Myth #4



*The application of aramid mooring lines has never been successful*

Again, not true. Aramid-based mooring lines are a proven technology. They were successfully used to deliver high-performance mooring as far back as 1983, with the Dutch Delta Works installation projects.

## Myth #5



*All high-performance fibers have some limitations*

Aramid-based mooring lines offer good performance in a wide range of application conditions and temperatures. Nevertheless, like all other fibers, aramid has its limitations – other materials can be a better choice for mooring lines designed for specific uses and conditions. It's important to have a clear understanding of your needs before choosing your mooring line material. Our experts at Teijin Aramid are available to help you make the right choice!