NEW

# ELLE™ Onshore

## LEADING EDGE PROTECTION OPTIMIZED SPECIFICALLY FOR ONSHORE SITES

New leading edge protection solution provides exceptional durability and outstanding erosion resistance onshore.

### Built on track record – meet the expanding ELLE™ family

In 2016, we unveiled a brand-new type of leading edge protection (LEP): ELLE™. Today, these shells protect more than 55,000 blades worldwide and are applied on over 70% of all offshore blades.

But there was another need onshore.

Using our track record and field experience, we are now expanding the LEP family with ELLE™ Onshore – a polymer LEP solution optimized specifically for onshore conditions.

### Exceptional durability

Leading edge erosion continues to be a major issue and cost driver onshore. That is why you will get unmatched erosion resistance and durability with ELLE™ Onshore.

Our DNV-certified calculations (according to DNV-RP-0573) show that at most onshore sites, ELLE™ Onshore will last more than a decade. You get this durability through the unique material properties and thickness of the solution (0.8 mm).

With ELLE™ Onshore, you can therefore minimize LEP repairs, costs, and downtime.

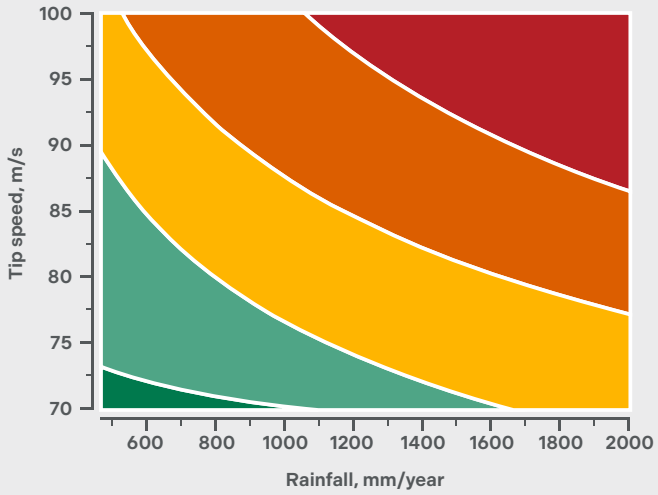
### KEY ADVANTAGES

- **LONG DURABILITY**, lasting more than a decade at most onshore sites (calculated according to DNV-RP-0573)
- **CHAMFERED EDGES** and 300 mm width to maximize aerodynamics
- **EASY INSTALLATION** with three-part liner and center marking

***ELLE™ Onshore cross section***
*(exaggerated dimensions)*

Polytech
Wind for life™

## Site risk - leading edge erosion



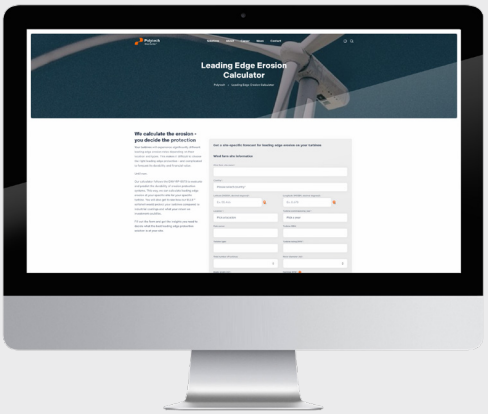

**Very high-risk site** – Premium LEP required to maintain structural integrity

**High-risk site** – Premium LEP recommended to avoid excessive maintenance or aerodynamic loss

**Moderate-risk site** - LEP is required to avoid excessive maintenance or aerodynamic loss

**Risky site** - Maintenance required and LEP recommended to preserve aerodynamic performance

**Low-risk site** - No action required. The blade will last the turbine's lifetime




**Use our DNV-verified erosion risk calculator to find the best solution for your sites**

## Aerodynamics in focus

No need to worry about aerodynamic performance with ELLE™ Onshore. The chamfered edges and the width (300 mm) of the solution smoothly covers your blades' leading edges to maximize aerodynamics.

ELLE™ Onshore's standard length and customizable ends ensure that this LEP solution fits all blade types and brings the same aerodynamic performance to all wind turbines.

## Designed for easy installation

No edge sealer, no wet paint, no mixing of products. Just follow the simple work instructions, cut, and install ELLE™ Onshore on your blades. The resilient polymer will stick to the blades with the pressure sensitive adhesive.

The three-part liner with center marking makes installation easy and swift, even uptower using rope or basket.

## Tested in accredited labs and on field

ELLE™ is currently the only LEP solution one on the market that is DNV-certified. It was therefore natural that we have followed the same rigorous testing schemes when developing ELLE™ Onshore. This included rain erosion, peel, adhesion, hail and sand impact tests.

We have also tested ELLE™ Onshore on operating wind turbines on three continents.

So you truly get a thoroughly tested and validated LEP solution for your blades.

## Site-specific leading edge protection

With ELLE™ Onshore and our other LEP solution, ELLE™, you can cover all your wind parks with a unique, site-specific LEP.