

## Wind Turbines

Taconic, a market leader in the manufacture of high temperature tapes and fabrics, has engineered a series of premium materials to act as an efficient cost-effective release surface for hand lay-up and open mold composites.

Major OEM's choose Taconic tape and fabrics to manufacture top quality wind turbine blades that allow for the maximum number of pulls. In turn, saving enormous time and resources.

Taconic's **TacWind** acts as a flexible, self adhesive, mold release liner commonly referred to as **foil**. It is used during the hand lay-up process providing clean removal from the completed blade.



### TacWind Green

- Elite, smooth specialty PTFE coating
- Best top surface release
- Smoothest blade surface
- Easiest release adhesive
- Maximum number of cycles



### TacWind Red

- Premium, smooth specialty PTFE coating
- Superior top surface release
- Smooth blade surface
- Clean release adhesive
- Exceptional number of cycles



### TacWind Brown

- Standard, smooth PTFE coating
- Excellent top surface release
- Smooth blade surface
- Clean release adhesive
- High number of cycles



## Features of TacWind

- Optimal release
- Multi-use
- Flexible/conformable
- Abrasion resistance
- Provides desired finished blade surface
- Easy tool cleaning and highest number of pulls
- Reduces preparation time, finish work and clean up
- Eliminates needs for waxes and chemical cleaners
- Temperature resistance from -100 °F to 500 °f (-73 °C to +260 °C)
- Customized widths
- Easy to apply

Taconic also produces a variety of **PTFE film** tapes for the seam sealing and masking process in wind turbine blade production. These temperature resistant release tapes cover butt jointed areas as well as damaged sections on the mold. Film tapes can also secure items such as hoses and fiberglass filters in place within the mold set-up preventing movement under vacuum conditions.



## Features of Taconic Film Tapes

### Skived: 6100 Series

- High elongation
- Conformability

### Tensitized: 6400 Series

- Improved dielectric strength
- Lower elongation

## Product information:

Product Number	Overall Thickness (in)	Adhesive Type	Adhesive Strength (ozs)	Operating Temp Min/Max °F
<b>TacWind Tape</b>				
TacWind Green	0.008	Silicone	55	-100/500
TacWind Red	0.008	Silicone	55	-100/500
TacWind Brown	0.008	Silicone	55	-100/500
<b>PTFE Tapes</b>				
6085-05	0.007	Silicone	55	-100/500
6085-06	0.008	Silicone	55	-100/500
<b>Film Tapes</b>				
6115-03 (Skived)	0.005	Silicone	37	-100/500
6445-02 (Tensitized)	0.004	Silicone	25	-100/500
<b>Release Fabric</b>				
7025	0.0023	N/A	N/A	-100/500

*The data herein are averages based on the authoritative testing of several lot numbers. This information is intended for comparison purposes only.*

Our North American Sales Team is ready to serve your needs. Please visit our website [www.4taconic.com](http://www.4taconic.com) for more information.



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