

High Strength Carbon Fiber

Applications

The CarboTek 100 L doctor blade has been engineered to provide the longest life possible from composite materials. The increased strength of this blade allows it to be used in sheet shedding positions, and is particularly suitable for ceramic roll surfaces.

Features

- ▶ 100% Carbon fiber and epoxy resin laminate
- ▶ Uniform wear pattern
- ▶ Maximum temperature: 365° F (185° C)
- ▶ Minimum thickness: 0.050" (1.2 mm)

Benefits

- ▶ Optimum wear life
- ▶ Efficient cleaning without damage to roll surface
- ▶ Extra strength for sheet shedding positions
- ▶ Reduced frictional drag



CarboTek 100 L Doctor Blade.

Long life and efficient cleaning

Carbon fiber is used in many applications where the only goal is to reduce weight, while maintaining the same strength properties of metal counterparts. In this scenario, carbon fiber maintains the same strength as metal blades, and the kindness to the roll surface offered by composite materials. The outcome is a blade which cleans like metal, lasts significantly longer, weighs less, and reduces the friction between the roll and the tip of the blade.

The Carbotek 100 L uses layered strips of carbon fiber sandwiched by two layers of woven carbon versus other carbon fiber based blades which use woven layers entirely. By layering solid sheets of carbon fiber, the wear pattern is even across the entire length of the blade, which not only extends the life of the blade, but also extends its cleaning ability during that time.

Contact your local Kadant Application Engineer for our specific recommendation for your application or visit www.kadant.com.