CarboTek™ 500 Doctor Blade

The CarboTek 500 doctor blade is a high carbon content blade with very high temperature resin. The blade is strategically constructed with carbon fibers at the core for long life. The carbon core is then sandwiched between outer layers of fine glass weave for quick break in and uniform contact with roll surface.

**Competitive Comparison and Trial Results**
On certain high temperature calendar rolls, the roll surface is so high it causes the resin to break down and thermally degrade and results in excessive blade wear rates. With its high temperature resin the CarboTek 500 doctor blade is able to provide sufficient life while shedding the sheet, or fibers from the roll surface.

The CarboTek 500 doctor blade is a preferred alternate to metal blades because the latter has a tendency to scratch and otherwise damage roll surfaces, especially if the roll is polished or Chrome plated. The CarboTek 500 doctor blade performs well under these conditions without damaging any roll surface. This is especially the case with rolls used in roofing shingle manufacturing as well as carbon fiber manufacturing.

**Overview**

**Features**
- Temperature resistant up to 550°F (288°C)
- Thermal degradation retardants as additive
- Thickness: 0.065” (1.65 mm)
- Thin enough for uniform cross direction load transmission but thick enough for sheet shedding applications

**Benefits**
- No comparative blades in the market today
- Quick break in and uniform contact on roll surface
- Optimum wear life
- Efficient cleaning without damage to roll surface
- Extra strength for sheet shedding positions
- Special resin for high temperature resistance

**Applications**
- Roofing shingle manufacturing
- Carbon fiber manufacturing