

New No-Stick, Low Friction Treatments for Machine Parts

CarbBond™ is a special blend multicomponent base coating matrix engineered for a wide range of finishing treatments that provide reduced adhesion, friction and wear on metallic surfaces that will not easily wear off.



CARBILON™ Micro Profile

CARBILON™, Teflon® applied over a **CarbBond™** base and **CARBISIL™**, silicon coated over the base treatment, minimize wear, reduce friction and are not easily damaged or removed. **CARBILON™** and **CARBISIL™**, both with a standard RA of 60 and available down to a 2 to 4 RA with multiple coats, provide a very smooth, no-stick surface with extreme abrasion and erosion resistance and a low coefficient of friction for industrial processing components operating in environments up to 750°F (400°C) for **CARBILON™** and 350°F (175°C) for **CARBISIL™**.



CARBILON™ Treated Roller

CARBILON™ and **CARBISIL™** treatments are a combination of materials including a special type of blended carbide finished with Teflon® or silicon that is entrapped in the micro pores in the blended carbide. The final surface finish is extremely smooth having a very low coefficient of friction.

The process was invented to minimize the adhesion of sticky solutions like hot polymers, epoxies and resins and to processing surfaces.



CARBISIL™ Micro Profile

CARBILON™ and **CARBISIL™** reduces buildup which in turn reduces maintenance and down time and can be used for rollers, hot melt extrusion dies, gears, drive chains, dryers, vacuum boxes and numerous types of process and handling equipment.



BubbleCarb™ Treated Roller

BubbleCarb™ is a special **CarbBond™** with rounded peaks engineered as a very low friction surface that reduces wear from abrasive substrates. It is a coating that is harder and more durable than hard chrome plating with an RA of 36 and **does not flake or peel off like chrome!** A highly polished version is available with an RA of down to 0.4.

CarbBond™ based finishes are available in a very wide range of properties that can be customized to fit the application and operating conditions. All of the finishes can be removed and/or replaced with other types of engineered surfaces.



BubbleCarb™ Micro Profile

CarbBond™ finishes are applied only in the United States and have a 5 to 10 year limited warranty based on product and use.

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Visit the EurotecUSA website at www.EurotecUSA.com for more information