

# Doctor and Roll Cleaning Blade Materials

Doctor and roll cleaning blades are used to clean rolls and remove stock accumulations, water, pitch, and filler build-up. With numerous material specifications available, Kadant blades have earned a reputation for precision, efficiency, and reliability.

Blade Name	Material	Features and Benefits
Abrasitek™	Glass epoxy with standard abrasives	Recommended for conditioning of dryer surfaces
Biovick™ Super	Glass epoxy	Extra life blade for tough high temperature cleaning applications
Bronzeflex™	High quality bronze alloy	Corrosion resistant and good on steel or cast iron rolls
CarboTek™ 500	Carbon and glass with high temperature resin	Long-life carbon fiber blade for sheet shedding positions where high temperature resistance is required
Carbovick™	Multi-axial carbon fiber, glass fiber, and epoxy resin	Excellent solution for high temperature applications
CeraEdge™ L	Ceramic tip	Designed for tissue applications that require extended blade life
CeraEdge™ S	Ceramic tip	Designed for tissue applications requiring high softness
FiberFlex™ / CleanTek™*	Glass epoxy	Roll cleaning applications
CleanTek™ S	Glass epoxy	Extra life blade for tough cleaning applications
DriTek™ Bronze	Coated bronze	Minimizes stickies and coating buildup on the toughest dryer applications
DriTek™ C	High temperature carbon fiber with coating	Excellent at stickies removal and will not spark
DuroTek™	Engineered polymeric	Recommended for applications where a thinner, stiff polymeric blade is needed
Graflex™	Glass and carbon epoxy	Added strength in the machine direction, extreme conformability
Lamflex™	Cotton and phenolic resin laminate	Gentle on roll surfaces
Multitek™ C	Glass and proprietary oriented carbon	Long life blade aids in the removal of stickies and roll contaminants
nClean™*	Fiberglass with nanotechnology-enhanced resin	Excellent cleaning with longer blade life than a standard fiberglass blade
nPak™ C+ / nDure™*	Carbon fiber with nanotechnology-enhanced resin	Long life blade aids in the removal of stickies and roll contaminants
nForce™	Glass and carbon fiber with nanotechnology-enhanced resin, stickie resistant properties, and metal scrim	Long life blade aids in the removal of stickies and roll contaminants
nTek™*	Fiberglass and carbon fiber with nanotechnology-enhanced resin	Long life blade aids in the removal of stickies and roll contaminants
nPak™ CR / nSlip™*	Fiberglass and carbon with nanotechnology-enhanced resin and stickie-resistant properties	Stickie-resistant face sheet. Long life blade aids in the removal of stickies and roll contaminants

\* Outside the USA

\*\* US only

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nPak™ GR / nRepel™*	Fiberglass with nanotechnology-enhanced resin	Stickie-resistant face sheet. Long life blade aids in the removal of stickies and roll contaminants
PlusTek™ C	Fiberglass and carbon with epoxy resin laminate	Excellent cleaning capability and extended blade and roll life
Polyflex™	UHMW polyethylene	Designed for wet end roll applications and is gentle on roll covers
PressTek™ Plus	Coated stainless steel	Designed for difficult shedding positions. Provides long blade life and surface conditioning properties
ProClean™	Bi-metal alloy	Tough, non-brittle wear resistant alloy with low friction
ProCrepe® Plus**	Bi-metal alloy	Designed for increased production on Yankee rolls
ProFlake™	Bi-metal alloy	Tough, non-brittle wear resistant alloy with low friction
RepelTek™*	Glass epoxy	For roll cleaning applications with added stickie-resistant properties to minimize build up on blade surface
SofTek™	Carbon/plastic fiber with epoxy resin	All wet end positions with reduced frictional drag where a gentle, non-abrasive blade is needed
Stainlessflex™	400 series stainless steel	Corrosive applications
Steelflex™	High carbon steel	For most rolls in non-corrosive environments
SynTek™ C	100% carbon with enhanced resin	Long life carbon blade with enhanced cleaning
SynTek™ Plus 2	Glass and carbon fiber with enhanced resin	Best suited for where nominal cleaning with enhanced life is required
SynTek™ Plus 5	High level carbon fiber with enhanced resin	Long life blade and excellent cleaning
Ultra™ C	100% carbon with proprietary resin	Long life carbon blade with excellent cross machine flexibility
Ultra™ CTC	High performance resin and carbon fiber with carbide sprayed tip	Cleaning duty is uncompromised while providing long life and wear resistance
Ultra™ G*	100% glass with proprietary resin	Excellent cleaning, and resistant to a wide range of solvents
UltraKleen™ X	Glass epoxy	Excellent cleaning in high temperature applications
VeriTek™	Engineered polymeric	Recommended for applications where a thinner, stiff polymeric blade is needed
X-Tek™	Polymeric and carbon	Designed for high temperature applications with highly polished roll surfaces

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