

# 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 Solutions' 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
Abrasitek™ 100	Glass epoxy with coarse abrasives	Recommended for conditioning of dryer surfaces
ArmorTek™	Metal with proprietary coating	Coating provides enhanced performance with low friction
Biovick™ Super	Glass epoxy	Extra life blade for tough high temperature cleaning applications
Bronzeflex™	High carbon bronze alloy	Corrosion resistant and good on steel or cast iron rolls
CarboTek™ 500	Carbon 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
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
DriTek™ Steel	100% steel with ceramic coating	Minimizes sheet wraps and extends blade life
DuroTek™	Engineered polymeric	Recommended for applications where a thinner, stiff polymeric blade is needed
Fiberflex™	Glass epoxy	Roll cleaning applications
Graflex™	Glass and carbon epoxy	Added strength in the MD, 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
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
nPak™ GR	Fiberglass with nanotechnology-enhanced resin	Stickie-resistant face sheet. Long life blade aids in the removal of stickies and roll contaminants
nPak™ C	Fiberglass and carbon with nanotechnology-enhanced resin	Long life blade aids in the removal of stickies and roll contaminants
nPak™ CR	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
nPak™ C+	Carbon fiber with nanotechnology-enhanced resin	Long life blade aids in the removal of stickies and roll contaminants
PlusTek™ C	Fiberglass and carbon with epoxy resin laminate	Excellent for rolls needing increased cleaning capability or extended life
PolyCarb™	UHMW and carbon	Designed for non-polyurethane wet end rolls where extended life is required
Polyflex™	UHMW polyethylene	Designed for all 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	Tough, non-brittle wear resistant alloy with low friction
ProFlake™	Bi-metal alloy	Tough, non-brittle wear resistant alloy with low friction
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	Glass and carbon fiber with enhanced resin	Best suited for where nominal cleaning with enhanced life is required
Ultra™ C	100% carbon	Long life carbon blade with excellent cross machine flexibility
Ultra™ C TC	Carbon fiber with carbide sprayed tip	Carbide tip provides long life and wear resistance
UltraKleen™ X	Glass epoxy	Excellent cleaning in high temperature applications
VeriTek™	Engineered polymeric	Recommended for applications where a thinner, stiff polymeric blade is needed