

Doctor Blades / Coater Blades / Creping Blades

Thermoplastics / Phenoplastics



CLOUTH®-ROT
CLOUTH®-RED

CLOUTH®-RED

PVC (polyvinylchloride),
temperature resistance in continuous use up to 65°C.



CLOUTH-AS®
CLOUTH-AS®

CLOUTH-AS®

HDPE, ultra high density molecular weight polyethylene (UHMW),
temperature resistance in continuous use up to 80°C.



CLOUTH-AS®-PLUS
CLOUTH-AS®-PLUS

CLOUTH-AS®-PLUS

Glass reinforced HDPE, ultra high density molecular weight
polyethylene (UHMW),
temperature resistance in continuous use up to 80°C.



CLOUTH-KLEEN®
CLOUTH-KLEEN®

CLOUTH-KLEEN®

Glass reinforced polypropylene,
temperature resistance in continuous use up to 100°C.



DURADA®-100 D
DURADA®-100 D

DURADA®-100 D

Carbon fibre fabric with thermoplastic matrix, very low coefficient
of friction, extremely wear-resistant,
temperature resistance in continuous use up to 180°C.



DURADA®-DT
DURADA®-DT

DURADA®-DT

Multi-layer fiberglass fabric structure with thermoplastic polymer
matrix and ceramic coating at tip, very wear-resistant,
temperature resistance in continuous use up to 180°C.



CLOUTH-MG-FF®
CLOUTH-MG-FF®

CLOUTH-MG-FF®

Fine cotton fibre fabric with phenolic resin-system,
temperature resistance (TG) 135°C.



DIACLOUTH-600®
DIACLOUTH-600®

DIACLOUTH-600®

Fine cotton fibre fabric with phenolic resin-system and graphite
temperature resistance (TG) 135°C.



DUROCLOUTH®-A
DUROCLOUTH®-A

DUROCLOUTH®-A

Superfine glass fibre fabric with phenolic resin system,
fine cotton fibre fabric layer,
temperature resistance (TG) 140°C.



DUROCLOUTH®-B
DUROCLOUTH®-B

DUROCLOUTH®-B

Superfine glass fibre fabric with epoxy-resin system,
fine cotton fibre fabric layer,
temperature resistance (TG) 160°C.

Fibreglass



POLICLOUTH-SUPER®
POLICLOUTH-SUPER®

POLICLOUTH-SUPER®

Superfine glass fibre fabric with epoxy-resin system, temperature resistance (TG) 185°C.



POLICLOUTH®-S2
POLICLOUTH®-S2

POLICLOUTH®-S2

Superfine glass and special fibre fabric with Clouth epoxy-resin system, temperature resistance (TG) 185°C.



POLICLOUTH-PLUS®
POLICLOUTH-PLUS®

POLICLOUTH-PLUS®

Superfine glass fibre fabric with modified epoxy-resin system. Resin with embedded micro-fillers for improved lifetime, temperature resistance (TG) 185°C.



CLOUTH-BLAU®
CLOUTH-BLUE®

CLOUTH-BLUE®

Superfine glass fibre fabric with epoxy-resin system, higher bending strength, increased cleaning properties, temperature resistance (TG) 185°C.



POLICLOUTH® T-200
POLICLOUTH® T-200

POLICLOUTH® T-200

Superfine glass fibre fabric with high temperature resistant epoxy-resin system, temperature resistance (TG) 205°C.



POLICLOUTH® T-250
POLICLOUTH® T-250

POLICLOUTH® T-250

Superfine glass fibre fabric with very high temperature resistant epoxy-resin system, temperature resistance (TG) 250°C.



POLICLOUTH® T-300
POLICLOUTH® T-300

POLICLOUTH® T-300

Superfine glass fibre fabric with extremely high temperature resistant epoxy-resin system, temperature resistance (TG) 300°C.



COMBISTAR 2.0
COMBISTAR 2.0

COMBISTAR 2.0

Combination of application-optimized fabrics with epoxy-resin system, temperature resistance (TG) 180°C.



CLOUTH-ABRASIV®
CLOUTH-ABRASIV®

CLOUTH-ABRASIV®

Superfine glass fibre fabric with epoxy-resin system and silicon carbide layers,
temperature resistance (TG) 185°C.



CLOUTH-ABRASIV®-BR
CLOUTH-ABRASIV®-BR

CLOUTH-ABRASIV®- BR

Glass fibre fabric with Clouth epoxy-resin system, including special abrasive microparticles fillers,
temperature resistance (TG) 180°C.



CLOUTH-MICROABRASIV®
CLOUTH-MICROABRASIV®

CLOUTH-MICROABRASIV®

Superfine glass fibre fabric with epoxy-resin system and very fine silicon carbide layers,
temperature resistance (TG) 185°C.



CLOUTH-VERTURA®
CLOUTH-VERTURA®

CLOUTH-VERTURA®

Superfine glass fibre fabric with a specially designed epoxy-resin system, very wear-resistant, very good cleaning properties,
temperature resistance (TG) 185°C.



CLOUTH®-MT-PCS
CLOUTH®-MT-PCS

CLOUTH®- MT - PCS

Glass fibre fabric with Clouth epoxy-resin system and low friction microparticle fillers,
temperature resistance (TG) 170°C.



CLOUTH®-MATERA
CLOUTH®-MATERA

CLOUTH®-MATERA

Multilayer fabric construction with Clouth epoxy-resin system
temperature resistance (TG) 180°C.

Carbon Fibre



COMBIFASER®-100C
COMBIFIBRE®-100C

COMBIFIBRE®-100C

Carbon fibre fabric with epoxy-resin system, very low coefficient of friction, extremely wear-resistant, temperature resistance up to 185°C.



CLOUTH-CONTOUR®-100C
CLOUTH-CONTOUR®-100C

CLOUTH-CONTOUR®-100C

Special carbon fibre fabric with epoxy-resin system, very low coefficient of friction, extremely wear-resistant, temperature resistance up to 185°C.



COMBIFASER® T-250/100
COMBIFIBRE® T-250/100

COMBIFIBRE® T-250/100

Carbon fibre fabric with very high temperature resistant epoxy-resin system, very low coefficient of friction, extremely wear-resistant, temperature resistance up to 250°C.



CLOUTH-VERTURA®-100S
CLOUTH-VERTURA®-100S

CLOUTH-VERTURA®-100S

Carbon fibre fabric with a specially designed epoxy-resin system, extremely low coefficient of friction, extremely wear-resistant, very good cleaning properties, temperature resistance up to 185°C.



ACTRA®-100
ACTRA®-100

ACTRA®-100

Carbon fibre fabric with special-resin system, very low coefficient of friction, extremely wear-resistant, temperature resistance up to 185°C.



CLOUTH®-MT-CF-100

Carbon fibre fabric with Clouth epoxy-resin system and low friction microparticle fillers, temperature resistance up to 175°C.

Glass and Carbon Fibres



COMBIFASER®-2C
COMBIFIBRE®-2C

COMBIFIBRE®-2C

Superfine glass fibre fabric with epoxy-resin system and layers of carbon fibre, low coefficient of friction, high wear-resistance, temperature resistance up to 185°C.



COMBIFASER®-4C
COMBIFIBRE®-4C

COMBIFIBRE®-4C

Material and properties equivalent to COMBIFIBRE®-2C; due to a growing portion of carbon fibre, there is an increase in the cleaning properties as well as the lifetime.



COMBIFASER®-6C
COMBIFIBRE®-6C

COMBIFIBRE®-6C

Material and properties equivalent to COMBIFIBRE®-4C; due to an enlarged growing portion of carbon fibre, there is an increase in the cleaning properties as well as the lifetime.



CLOUTH-CONTOUR®-2C
CLOUTH-CONTOUR®-2C

CLOUTH-CONTOUR®-2C

Superfine glass fibre fabric with epoxy-resin system and modified layers of special carbon fibre, low coefficient of friction, high wear-resistance, temperature resistance up to 185°C.



CLOUTH-CONTOUR®-4C
CLOUTH-CONTOUR®-4C

CLOUTH-CONTOUR®-4C

Material and properties equivalent to CLOUTH-CONTOUR®-2C; due to a growing portion of special carbon fibre, there is an increase in the cleaning properties as well as the lifetime.



CLOUTH-CONTOUR®-6C
CLOUTH-CONTOUR®-6C

CLOUTH-CONTOUR®-6C

Material and properties equivalent to CLOUTH-CONTOUR®-4C; due to an enlarged growing portion of special carbon fibre, there is an increase in the cleaning properties as well as the lifetime.



COMBIFASER® T-250/2
COMBIFIBRE® T-250/2

COMBIFIBRE® T-250/2

Superfine glass fibre fabric with very high temperature resistant epoxy-resin system and layers of carbon fibre, low coefficient of friction, high wear-resistance, temperature resistance up to 250°C.

COMBIFASER® T-250/4
COMBIFIBRE® T-250/4

COMBIFIBRE® T-250/4

Material and properties equivalent to COMBIFIBRE® T-250/2; due to a growing portion of carbon fibre, there is an increase in the cleaning properties as well as the lifetime.



COMBIFASER® T-250/6
COMBIFIBRE® T-250/6

COMBIFIBRE® T-250/6

Material and properties equivalent to COMBIFIBRE® T-250/4; due to an enlarged growing portion of carbon fibre, there is an increase in the cleaning properties as well as the lifetime.



CLOUTH-VERTURA®-2S
CLOUTH-VERTURA®-2S

CLOUTH-VERTURA®-2S

Superfine glass fibre fabric with a specially designed epoxy-resin system and layers of carbon fibre, low coefficient of friction, very wear-resistant, very good cleaning properties, temperature resistance up to 185°C.



CLOUTH-VERTURA®-6S
CLOUTH-VERTURA®-6S

CLOUTH-VERTURA®-6S

Material and properties equivalent to CLOUTH-VERTURA®-2S; due to a growing portion of carbon fibre, there is an increase in the cleaning properties as well as the lifetime.



CLOUTH-ABRASIV®-2C
CLOUTH-ABRASIV®-2C

CLOUTH-ABRASIV®-2C

Superfine glass fibre fabric with epoxy-resin system, layers of carbon fibre and silicon carbide layers, good doctoring/cleaning properties, high wear-resistance, temperature resistance up to 185°C.



CLOUTH-ABRASIV®-4C
CLOUTH-ABRASIV®-4C

CLOUTH-ABRASIV®-4C

Material and properties equivalent to CLOUTH-ABRASIV®-2C; due to a growing portion of carbon fibre, there is an increase in the cleaning properties as well as the lifetime.



CLOUTH-ABRASIV®-6C
CLOUTH-ABRASIV®-6C

CLOUTH-ABRASIV®-6C

Material and properties equivalent to CLOUTH-ABRASIV®-4C; due to an enlarged growing portion of carbon fibre, there is an increase in the cleaning properties as well as the lifetime.



CLOUTH-MICROABRASIV®-2C
CLOUTH-MICROABRASIV®-2C

CLOUTH-MICROABRASIV®-2C

Superfine glass fibre fabric with epoxy-resin system and layers of carbon fibre and very fine silicon carbide layers, good doctoring/cleaning properties, high wear-resistance, temperature resistance up to 185°C.



CLOUTH-MICROABRASIV®-4C
CLOUTH-MICROABRASIV®-4C

CLOUTH-MICROABRASIV®-4C

Material and properties equivalent to CLOUTH-MICROABRASIV®-2C; due to a growing portion of carbon fibre, there is an increase in the cleaning properties as well as the lifetime.

Glass and Carbon Fibres



CLOUTH-MICROABRASIV®-6C
CLOUTH-MICROABRASIV®-6C

CLOUTH-MICROABRASIV®-6C

Material and properties equivalent to CLOUTH-MICROABRASIV®-4C; due to an enlarged growing portion of carbon fibre, there is an increase in the cleaning properties as well as the lifetime.



CLOUTH-MICROABRASIV®-4PLUS
CLOUTH-MICROABRASIV®-4PLUS

CLOUTH-MICROABRASIV®-4 PLUS

Superfine glass fibre fabric with epoxy-resin system and layers of carbon fibre and extremely fine silicon carbide layers, good doctoring/cleaning properties, very wear-resistant, temperature resistance up to 185°C.



CLOUTH-MICROABRASIV®-6PLUS
CLOUTH-MICROABRASIV®-6PLUS

CLOUTH-MICROABRASIV®-6 PLUS

Material and properties equivalent to CLOUTH-MICROABRASIV®-4 PLUS; due to a growing portion of carbon fibre, there is an increase of cleaning properties as well as the lifetime.



CLOUTH-MICROABRASIV®-T250/4
CLOUTH-MICROABRASIV®-T250/4

CLOUTH-MICROABRASIV®-T 250/4

Superfine glass fibre fabric with very high temperature resistant epoxy-resin system, layers of carbon fibre and very fine silicon carbide layers, good doctoring/cleaning properties, very wear-resistant, temperature resistance up to 250°C.

Metal



SPECIAL STEEL

Carbon steel C = 0.75 %, hardness approx. 46-48 HRC
(approx. 437-461 HB)



SPECIAL STEEL EXTRA HARD

Carbon steel C = 1.00 %, extra hard, hardness approx. 52-55 HRC
(approx. 523-570 HB)



STAINLESS STEEL (13 %)

Stainless steel (13 %) 1.4021, hardness approx. 46-48 HRC
(approx. 437-461 HB)



STAINLESS STEEL (18-8)

Stainless steel (18-8) 1.4310, hardness approx. 46-48 HRC
(approx. 437-461 HB)



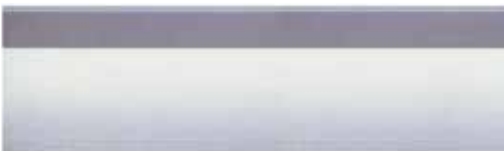
K-MONEL 500

(66 % NI, 29 % CU, 2.75 % AL, 0.5 % TI, 0.9 % FE, 0.75 % MN, 0.5 % SI,
0.15 % C)
K-MONEL 500 C: hardness approx. 30-32 HRC (approx. 285-305 HB)
K-MONEL 500 D: hardness approx. 38-42 HRC (approx. 355-390 HB)



PHOSPHORBRONZE

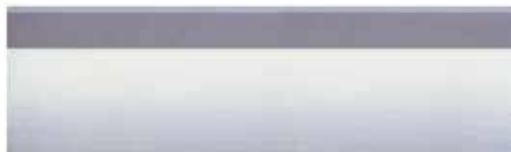
Phosphorbronze, CuSn 6 or CuSn 8, total acid resistance,
zinc-free, iron-free, hardness approx. 200-220 HB



CLOUTH-DT® STEEL

Metal blade with hard metal coating at bevel,
stainless steel (13%) 1.4021

Metal



CLOUTH-DT® SPECIAL STEEL

Metal blade with hard metal coating at bevel,
carbon steel C = 0.75 %



CLOUTH-DT® BRONZE

Metal blade with hard metal coating at bevel,
phosphorbronze

Uncoated Creping Doctors/Coater Blades



COATER BLADES IN STAINLESS STEEL

Stainless steel (18-8) 1.4310, hardness approx. 46-48 HRC
(approx. 437-461 HB)



COATER BLADES IN CARBON STEEL

Carbon steel C = 1.00 %, hardness approx. 52-55 HRC
(approx. 523-570 HB)



FLO-CLEAN IN CARBON STEEL OR STAINLESS STEEL

Carbon steel, hardness approx. 52-55 HRC (approx. 523-570 HB)
Stainless steel, hardness approx. 46-48 HRC (approx. 437-461 HB)



SUPPORTING BLADE

Carbon steel C = 1.00 %, hardness approx. 52-55 HRC
(approx. 523-570 HB)
Stainless steel (18-8) 1.4310, hardness approx. 46-48 HRC
(approx. 437-461 HB)



SEALING BLADE

Corrosion resistant and wear-resistant material with excellent surface quality and straightness



NIP PLATE

- Carbon steel, hardness approx. 52-55 HRC
(approx. 523-570 HB)



- Stainless steel, hardness approx. 46-48 HRC
(approx. 437-461 HB)

Uncoated Creping Doctors/Coater Blades



ROLLFLEX BLADES

Stainless steel (18-8) 1.4310, hardness approx. 46-48 HRC
(approx. 437-461 HB)



CREPING BLADE

Carbon steel C = 1.00 %, hardness approx. 46-48 HRC
(approx. 437-461 HB)



CREPING BLADE EH

Carbon steel C = 1.00 %, extra hard, hardness approx. 51-53 HRC
(approx. 500-532 HB)



CREPING BLADE

Phosphorbronze, hardness approx. 200-220 HB



SUPPORTING BLADE

Stainless steel (18-8) 1.4310, hardness approx. 46-48 HRC
(approx. 437-461 HB)



ADJUSTMENT SLIDE

Stainless steel (18-8) 1.4310, hardness approx. 46-48 HRC
(approx. 437-461 HB)

CERADIA® – Coated Coater Blades / Creping Blades



COATER BLADE CERADIA® 100

Stiff Blade, Bent Blade or Double-angle Blade with ceramic tip



COATER BLADE CERADIA® 400

Stiff Blade, Bent Blade or Double-angle Blade with high wear-resistant ceramic tip



COATER BLADE CERADIA® 400+

Stiff Blade, Bent Blade or Double-angle Blade with high wear-resistant ceramic tip



COATER BLADE CERADIA® 450

Stiff Blade, Bent Blade or Double-angle Blade with high wear-resistant ceramic tip



COATER BLADE CERADIA® CC+

Stiff Blade, Bent Blade or Double-angle Blade with high wear-resistant carbide tip



COATER BLADE CERADIA® CCX

Stiff Blade, Bent Blade or Double-angle Blade with high wear-resistant carbide tip



COATER BLADE CERADIA® CCX+

Stiff Blade, Bent Blade or Double-angle Blade with high wear-resistant carbide tip



COATER BLADE CERADIA® CDX

Stiff Blade, Bent Blade or Double-angle Blade with high wear-resistant carbide tip



COATER BLADE CERADIA® CF

Stiff Blade, Bent Blade or Double-angle Blade with high wear-resistant carbide tip



COATER BLADE CERADIA® CXF

Stiff Blade, Bent Blade or Double-angle Blade with high wear-resistant carbide tip



COATER BLADE CERADIA® CXF+

Stiff Blade, Bent Blade or Double-angle Blade with high wear-resistant carbide tip



COATER BLADE CERADIA® DXF

Stiff Blade, Bent Blade or Double-angle Blade with high wear-resistant carbide tip

Ceradia® Cermet coating blades make use of a carbide-metallic (ceramic + metal = Cermet) wear resistant layer. With its low porosity this interlocking matrix exhibits a very high wear resistance. For particularly demanding applications where a high surface quality of the paper is required, we also offer all Cermet blades in the variant 'High-Line'.

CERADIA® – Coated Coater Blades / Creping Blades



CREPING BLADE CERADIA® 100

Carbon Steel with wear-resistant ceramic tip



CREPING BLADE CERADIA® 200

Carbon Steel with high wear-resistant ceramic tip



CREPING BLADE CERADIA® 400

Carbon Steel with high wear-resistant ceramic tip



CREPING BLADE CERADIA® 400+

Carbon Steel with high wear-resistant ceramic tip



CREPING BLADE CERADIA® 450

Carbon Steel with high wear-resistant ceramic tip



CREPING BLADE CERADIA® 500R

Carbon Steel with high wear-resistant ceramic tip



CREPING BLADE CERADIA® 500V

Carbon Steel with high wear-resistant ceramic tip



CREPING BLADE CERADIA® CDX

Carbon Steel with wear-resistant carbide tip

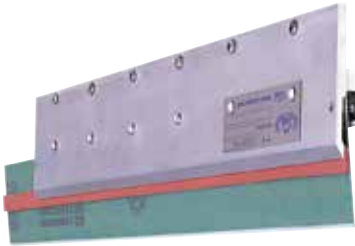
Your aim is to shorten the run-in time of oxide-coated creping blades? For these creping doctors, our 'MS' and 'MS+' modifications are available to help avoiding downturns in paper thickness occurring immediately after a doctor change.

Special Blades



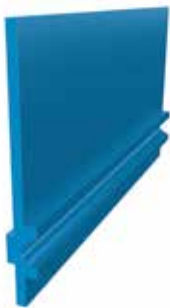
CLOUTH® -SOFT

Cleaning-Blade made of spring-steel with non-woven fabric strip. Fibre fleece available in the grit sizes: super fine, very fine, medium, and extra coarse.



CLOUTH® -VIBRASTOP

Special blade construction to solve vibration problems, high temperature resistant silicone rubber on metal or fibre reinforced blades



CLOUTH® -SEAL BT

Sealing blade – especially developed for a use in web stabiliser units within the dryer section. Excellent sealing properties and long lifetimes. Ultra-flexible, non-abrasive silicone with good sliding properties sustainably conserves the dryer fabrics.

Material colour: blue
Type: blunt tip
Temperature resistance up to 200°C



CLOUTH® -SEAL TT

Sealing blade – especially developed for a use in web stabiliser units within the dryer section. Excellent sealing properties and long lifetimes. Ultra-flexible, non-abrasive silicone with good sliding properties sustainably conserves the dryer fabrics.

Material colour: black
Type: tapered tip
Temperature resistance up to 200°C

Doctor Blade Holders

Flexible Holders



CLOUTH-CONTOUR®

Stainless steel doctor holder with carbon fibre top-plate for all doctor blade materials



CLOUTH-CONTOUR LIGHT®

Stainless steel doctor holder with carbon fibre top-plate for all doctor blade materials



CLOUTH® HS-1

Patented Doctor Holder with carbon fibre top-plate for all doctor blade materials



CLOUTH® HS-1 QUICK-TOP

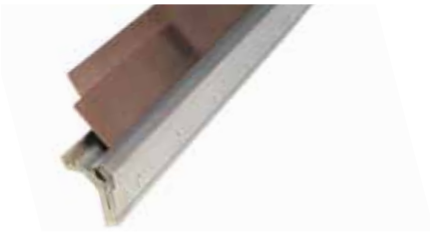
Patented doctor holder with carbon fibre top-plate for all doctor blade materials. Quick removal of top-plate from either side of the machine, allowing very easy cleaning of the fingers and fast tube change.



CLOUTH® TOPSLIDE

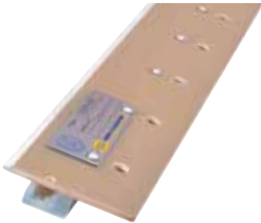
Doctor Holder with carbon fibre top-plate for all doctor blade materials. Quick removal of top-plate from either side of the machine, allowing very easy cleaning of the fingers and fast tube change.

Rigid Holders



CLOUTH®-PROFIL 17C

Brass doctor holder for synthetic and metal doctor blades, brass (MS 58)



CLOUTHFLEX®-18

Glass-fibre doctor holder for all doctor blade materials, advanced composite material glass-fibre



CLOUTHFLEX®-18/35 A

Adjustable stainless steel doctor holder for all doctor blade materials, rust free and acid resistant steel AISI 316L (rust-free)



CLOUTHFLEX®-18/35 AS

Stainless steel doctor holder for all doctor blade materials, rust free and acid resistant steel AISI 316L (rust-free)

Rigid Holders



CLOUTHFLEX® -18 VA

Adjustable doctor holder from stainless steel suitable for all doctor blade materials



CLOUTHFLEX® -18 VA mini

Adjustable doctor holder from stainless steel suitable for all doctor blade materials



CLOUTHFLEX® -18 VA AS

Adjustable doctor holder from stainless steel suitable for all doctor blade materials



CLOUTHFLEX® -20

Doctor holder from stainless steel with Spring-Mount finger technology for all doctor blade material, rust free and acid resistant steel AISI 316L (rust-free)

Top-Plates + Accessories



CLOUTH-CONTOUR® TOP-PLATE

100 % special carbon fibre construction, available in thickness of 3 mm (4 mm optional), interchangeable with existing double tube holder top-plate (metric and imperial)



CLOUTH-CONTOUR LIGHT® TOP-PLATE

100 % special carbon fibre construction, available in thickness of 3 mm (4 mm optional), interchangeable with existing double tube holder top-plate (metric and imperial)



CLOUTH® HS-1 TOP-PLATE

100 % special carbon fibre construction, available in thickness of 3 mm (4 mm optional), interchangeable with existing double tube holder top-plate (metric and imperial)



CLOUTH DOCTOR-CLIP®

Safety clip for doctor holders

Stainless steel, with and without fixing chain, springless construction

- Wear and service free therefore longer lasting than traditional split-pins
- Reduced risk of injury
- Safe and easy handling
- Significant time saving compared to use of traditional split-pins

Pressure Tubes + Accessories



CLOUTH-AIRFLEX® 100

Flexible pressure tubing, Basic: 100 % polyester, tubular weave
INNER LINING: high quality, oil and petrol resistant, fully synthetic rubber mixture
OUTER COVER: high quality nitrite-rubber silicone coated
Temperature resistance up to maximum 100°C
Operating pressure max. 6 bar

- Robust smooth red surface
- High abrasion resistance
- Weather-proof
- Rot-proof
- Ozone and UV stable
- Resists soiling



CLOUTH-AIRFLEX® 230

High temperature flexible pressure tubing
Basic: 100 % glass-silk, reinforced tubular weave
INNER LINING: special silicone
OUTER COVER: blue surface from silicone coated glass-silk
Temperature resistance up to maximum 230°C
Operating pressure max. 6 bar

- Good sliding properties
- High tear strength and high tear resistance
- High abrasion resistance
- Weather-proof
- Rot-proof
- Ozone and UV stable
- Resists soiling



CLOUTH-AIRFLEX® C101

Vibrastop-profiled sleeve, special silicone, neon green
Temperature resistance up to maximum 200°C

- Good sliding properties
- High tear strength and high tear resistance
- High abrasion resistance
- Weather-proof
- Rot-proof
- Resists soiling