

Coatings

Wet finishing

## Coatings

ID	Material base	Standard colours	Temperature range	Chemical characteristics
<b>Gw</b>	1 or 2-sided coating on polyurethane base with functional filler <b>Application features:</b> good abrasion and cut resistance, thermally weldable (if requested)	grey/white	-30 °C up to 200 °C	limited hydrolysis resistance, limited mineral oil resistance
<b>Gl</b>	1 or 2-sided coating on polyurethane base with functional filler <b>Application features:</b> good abrasion and cut resistance, Gl green: good UV resistance	grey, white, red/brown, green	-30 °C up to 200 °C	water-repellent, improved hydrolysis resistance, improved mineral oil resistance
<b>Gp</b>	1 or 2-sided coating on PVA base with functional filler <b>Application features:</b> good abrasion and cut resistance	grey, white	-20 °C up to 150 °C	water-repellent, limited hydrolysis resistance
<b>Gv</b>	1 or 2-sided coating on modified-PVAC base with functional filler <b>Application features:</b> good abrasion and cut resistance	grey	-20 °C up to 150 °C	water-repellent, limited hydrolysis resistance
<b>Ga</b>	1 or 2-sided coating on PAC base with functional filler <b>Application features:</b> good abrasion and cut resistance	grey	-20 °C up to 150 °C	water-repellent, limited hydrolysis resistance
<b>FC</b>	1 or 2-sided coating on fluoropolymer base with functional filler <b>Application features:</b> very good light and UV resistance, weatherproof, HF-weldable	grey	-50 °C up to 180 °C (270 °C)	water-repellent, good hydrolysis resistance dirt and oil-resistant, limited solvent resistance
<b>SI</b>	1 or 2-sided coating on silicone basis with functional filler <b>Application features:</b> weatherproof, good light and UV resistance, high flexibility, good electrical isolation options, good abrasion and cut resistance, food safe version (if requested)	grey, white, red/brown, black	-20 °C up to 260 °C	water-repellent, good resistance to acids and lyes (20 °C), dirt and oil-repellent
<b>PTFE</b>	1 or 2-sided coating on PTFE basis with functional filler <b>Application features:</b> weatherproof, good light and UV resistance, good abrasion and cut resistance, can be food safe, can be antistatic	grey, black, beige	-70 °C up to 260 °C (315 °C)	very good resistance against almost all chemical bonds, dirt and oil-repellent
<b>VM</b>	1 or 2-sided coating on vermiculite (mica-vermiculite) with functional filler <b>Application features:</b> improved abrasion and cut resistance, flame-resistance, protection against liquid metal	gold/brown	Vermiculite up to 900 °C (1600 °C)	n.a.

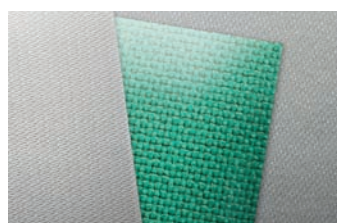
## Wet finishing

ID	Description	Colour	Temperature range	Chemical characteristics
<b>F 111</b>	thermal desizing <b>Application features:</b> Residual sizing content < 0.5 %, minimal smoke production, good laminate basis	brown	500 °C up to 550 °C	as for E-Glass
<b>SF</b>	organic non-slip finish <b>Application features:</b> good abrasion and cut resistance, can be soft or rigid, can be hydrophobic	white	decomposition of non-slip finish above 150 °C	n.a.
<b>HTA</b>	inorganic non-slip finish <b>Application features:</b> good abrasion and cut resistance, can be soft or rigid, superior temperature resistance	white, grey, blue, yellow, red, green, black	600 °C up to 650 °C	as for E-Glass
<b>HT C</b>	inorganic non-slip finish <b>Application features:</b> improved abrasion and cut resistance, can be soft or rigid, superior temperature resistance	brown	600 °C	as for E-Glass
<b>HTM 600</b>	inorganic non-slip finish <b>Application features:</b> improved abrasion and cut resistance, can be soft or rigid, superior temperature resistance, smokeless, retains its colour	brown	600 °C	as for E-Glass
<b>HT 70</b>	inorganic non-slip finish <b>Application features:</b> improved abrasion and cut resistance, can be soft or rigid, superior temperature resistance (green = retains its colour)	white, grey, green	700 °C	as for E-Glass
<b>HT 90</b>	inorganic non-slip finish <b>Application features:</b> improved abrasion and cut resistance, can be soft or rigid, superior temperature resistance, protection against liquid metal	white, grey, blue, yellow, red, green, black	700 °C	as for E-Glass

KLEVERS GmbH & Co. KG · Oppelner Straße 11 · D-41199 Mönchengladbach

Tel.: +49 (0) 2166-96 87-0 · Fax: +49 (0) 2166-96 87-11 · info@klevers.de · www.klevers.de

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## Laminations

ID	Foil	Colour	Temperature range	Chemical characteristics
<b>Alfol FLT</b>	Aluminium foil from 10–250 µm	shiny, smooth or embossed	adhesive resistant up to 150 °C, aluminium foil resistant up to 600 °C	good chemical resistance (foil)
	<b>Application features:</b> good heat reflection, media-tight			
<b>Alfol MT</b>	Aluminium foil from 10–250 µm	shiny, smooth or embossed	adhesive resistant up to 180 °C, aluminium foil resistant up to 600 °C	good chemical resistance (foil)
	<b>Application features:</b> good heat reflection, media-tight			
<b>Alfol HT</b>	Aluminium foil from 10–250 µm	shiny, smooth or embossed	adhesive resistant up to 250 °C, aluminium foil resistant up to 600 °C	good chemical resistance (foil)
	<b>Application features:</b> good heat reflection, media-tight			
<b>AL PET FLT</b>	double-sided aluminium vaporized PET foil (6 µm and 12 µm)	shiny	adhesive resistant up to 150 °C, PET foil resistant up to 180 °C–200 °C	good chemical resistance (foil)
	<b>Application features:</b> good heat reflection, media-tight, gas-tight, good flexibility			
<b>AL PET MT</b>	double-sided aluminium vaporized PET foil (6 µm and 12 µm)	shiny	adhesive resistant up to 180 °C, PET foil resistant up to 180 °C–200 °C	good chemical resistance (foil)
	<b>Application features:</b> good heat reflection, media-tight, gas-tight, good flexibility			
<b>AL PET HT</b>	double-sided aluminium vaporized PET foil (6 µm and 12 µm)	shiny	adhesive resistant up to 250 °C, PET foil resistant up to 180 °C–200 °C	good chemical resistance (foil)
	<b>Application features:</b> good heat reflection, media-tight, gas-tight, very good flexibility			
<b>AL TF</b>	Aluminium-pigment lamination	shiny	180 °C–200 °C, resistance depends on application	n.a.
	<b>Application features:</b> good flexibility, very good heat reflection			
<b>AL TFL</b>	Aluminium-pigment lamination + protective finish	shiny	180 °C–200 °C, resistance depends on application	n.a.
	<b>Application features:</b> good flexibility, very good heat reflection, resistance to weathering limited			
<b>Niro FLT</b>	Stainless steel foil 25 µm and 50 µm	metallic shiny, smooth/embossed	adhesive resistant up to 150 °C, stainless steel foil resistant up to 1000 °C	very high chemical resistance (foil)
	<b>Application features:</b> good heat reflection, media-tight, gas-tight			
<b>Niro HT</b>	Stainless steel foil 25 µm and 50 µm	metallic shiny, smooth/embossed	adhesive resistant up to 250 °C, stainless steel foil resistant up to 1000 °C	very high chemical resistance (foil)
	<b>Application features:</b> good heat reflection, media-tight, gas-tight			
<b>PTFE FLT</b>	PTFE foil 100 µm and 200 µm	brown, black	adhesive resistant up to 150 °C, PTFE foil resistant up to 260 °C	very good resistance to almost all chemical bonds, dirt and oil-repellent (foil)
	<b>Application features:</b> media-tight, gas-tight			
<b>PTFE HT</b>	PTFE foil 100 µm and 200 µm	brown, black	adhesive resistant up to 250 °C, PTFE foil resistant up to 260 °C	very good resistance to almost all chemical bonds, dirt and oil-repellent (foil)
	<b>Application features:</b> media-tight, gas-tight			