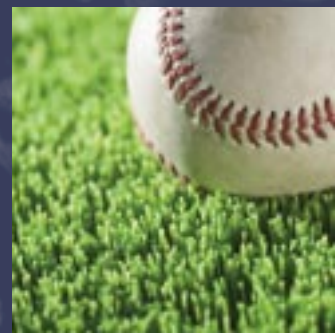


# Compounds



EOC Group





EOC Belgium - Compound Division produces mixtures based on natural and synthetic latex for the carpet, textile, mattress, automotive and aircraft industry.

The latex compounds play an important part in the binding of pile material, the improvement of the cutting strength, the adhesion of materials and the increased comfort of the end product by the incorporation of a foam system.

Latex compounds can be made antistatic and/or flame retardant. All latex compounds are developed according to the needs of the customer.

# Compounds

	Possible characteristics		Applications					
	flame-retardant	antistatic	carpet	automotive	bathroom	wall/floor acoustic	shoe-insoles	mattresses
<b>PRECOAT</b>	■	■	■					
<p><b>Description:</b> Precoats are compounds based on a carboxylated styrene-butadiene latex, filled with calciumcarbonate.</p> <p><b>Application:</b> Pile binding. The precoats determine the stiffness of the carpet.</p>								
<b>TILE PRECOAT</b>	■	■	■					
<p><b>Description:</b> Tile Precoats are compounds based on specially developed carboxylated styrene-butadiene latex to obtain good dynamic stability, filled with calciumcarbonate.</p> <p><b>Application:</b> Pile binding. Good dynamic stability.</p>								
<b>SECONDARY BACKING</b>	■	■	■					
<p><b>Description:</b> Secondary backings are compounds based on a carboxylated styrene-butadiene latex, filled with calciumcarbonate. Filler level is lower than precoats.</p> <p><b>Application:</b> Used as adhesive for jute or synthetic backing to the carpet.</p>								
<b>NO-GEL FOAM</b>	■		■		■		■	
<p><b>Description:</b> No-gel foams are based on styrene-butadiene latex filled with calciumcarbonate. The compound is vulcanised by adding a vulcanisation dispersion. The no-gel foam can be delivered with a vulcanisation dispersion in it; otherwise it is also possible to deliver the no-gel foam and the vulcanisation dispersion separately. There is no gelling agent used.</p> <p><b>Application:</b> Absorbtion of energy, caused by pressure exerted by footprints or heavy furniture. Prolongation of life of carpets/rugs. Increase of luxury- and sales aspect.</p>								

# Compounds

	Possible characteristics		Applications					
	flame-retardant	antistatic	carpet	automotive	bathroom	wall/floor acoustic	shoe-insoles	mattresses
<b>AMMONIUM ACETATE GEL FOAM</b>	■		■		■			
<p><b>Description:</b></p> <p>Ammonium acetate gel foams are based on a blend natural latex/styrene-butadiene latex, or solely styrene-butadiene latex filled with calciumcarbonate. A vulcanisation dispersion is necessary for vulcanisation. The ammonium acetate gel foam can be delivered with a vulcanisation dispersion in it; otherwise it is also possible to deliver the AAG-foam and the vulcanisation dispersion separately. Under the influence of a gelling agent (ammoniumacetate solution) and heat, there is a phase inversion from liquid to solid.</p> <p><b>Advantages over no-gel foam:</b></p> <p>Higher mechanical qualities and water resistance. Possibility to compress the foam layer (before vulcanisation) for embossed structures. Good foam structure and surface.</p>								
<b>SODIUM SILICOFLUORIDE GEL FOAM</b>	■		■			■	■	■
<p><b>Description:</b></p> <p>Sodium silicofluoride gel foams are based on a blend natural latex/styrene-butadiene latex, filled with an inert filler system. A vulcanisation dispersion is necessary for vulcanisation. The sodium silicofluoride gel foam can be delivered with a vulcanisation dispersion in it; otherwise it is also possible to deliver the SSF-foam and the vulcanisation dispersion separately. Under the influence of a gelling agent (sodium fluorosilicate dispersion) and heat, there is a phase inversion from liquid to solid. SSF is most used for stair carpets, carpets in hospitals, ...</p> <p><b>Advantages over no-gel foam:</b></p> <p>Higher mechanical qualities and water resistance. Possibility to compress the foam layer (before vulcanisation) for embossed structures. Good foam structure and surface.</p>								
<b>SELF GEL FOAM</b>	■		■		■			
<p><b>Description:</b></p> <p>Self gel foams are based on a blend natural latex/styrene-butadiene latex filled with calcium-carbonate. A vulcanisation dispersion is necessary for vulcanisation; there is no gelling agent used. The self gel foam can be delivered with a vulcanisation dispersion in it; otherwise it is also possible to deliver the self gel foam and the vulcanisation dispersion separately. Under the influence of heat, there is a phase inversion from liquid to solid.</p> <p><b>Advantages over no-gel foam:</b></p> <p>Higher mechanical qualities and water resistance. Possibility to compress the foam layer (before vulcanisation) for embossed structures. Good foam structure and surface.</p>								

# Compounds

	Possible characteristics		Applications					
	flame-retardant	antistatic	carpet	automotive	bathroom	wall/floor acoustic	shoe-insoles	mattresses
<b>GRASSBACKING COMPOUNDS</b>	■		■					
<p><b>Description:</b></p> <p>Grassbacking compounds are based on specially developed waterresistant carboxylated styrene-butadiene latex filled with calciumcarbonate.</p> <p><b>Application:</b></p> <p>Pile binding of artificial grass. High water resistance backing.</p>								
<b>BASE FOR GRASSBACKING</b>	■		■					
<p><b>Description:</b></p> <p>Bases for grassbacking compounds are based on specially developed waterresistant carboxylated styrene-butadiene latex. Customers add calciumcarbonate to make a grassbacking compound.</p> <p><b>Application:</b></p> <p>Pile binding of artificial grass. High water resistance backing.</p>								
<b>RUBBERCRUMB COMPOUNDS</b>	■		■	■				
<p><b>Description:</b></p> <p>Rubbercrumb compounds are based on specially developed carboxylated styrene-butadiene latex filled with rubbercrumb (sometimes blended with calciumcarbonate).</p> <p><b>Application:</b></p> <p>Antislipmats for cars.</p>								
<b>BASE FOR RUBBERCRUMB</b>	■		■	■				
<p><b>Description:</b></p> <p>Bases for rubbercrumb compounds are based on specially developed carboxylated styrene-butadiene latex. Customers add rubbercrumb (sometimes also calciumcarbonate) to make a rubbercrumb compound.</p> <p><b>Application:</b></p> <p>Antislipmats for cars.</p>								

	Possible characteristics		Applications					
	flame-retardant	antistatic	carpet	automotive	bathroom	wall/floor acoustic	shoe-insoles	mattresses
<b>DOT COMPOUNDS</b>			■					
<p><b>Description:</b> Dot compounds are based on specially developed carboxylated styrene-butadiene latex filled with calcium carbonate.</p> <p><b>Application:</b> Carpets and mats for balconies and terraces</p>								
<b>AUTOMOTIVE COMPOUNDS</b>	■			■				
<p><b>TYPE 1</b></p> <p><b>Description:</b> Ready-compounds for the automotive industry are based on natural latex or a blend natural latex/styrene-butadiene latex. They contain a vulcanisation dispersion, which can be flame retardant.</p> <p><b>Application:</b> Strengthen and/or enhancing flame retardant capacities of interior material of car seats.</p>								
<p><b>TYPE 2</b></p> <p><b>Description:</b> Compounds based on thermoformable carboxylated styrene-butadiene latex.</p> <p><b>Application:</b> Used in automotive industry for materials to cover shaped parts of car interior.</p>								

	Total solids	Base	Applications				Characteristics	
			no-gel	ammonium acetate gel	sodium silico-fluoride gel	self-gel	GuT approved?	ZnO-free?
K15H	51.60%	zinc oxide	■	■	■	■	yes	no
K10F	50.80%	sulphur	■	■	■	■	yes	n.a.
K8D	50.00%	zinc bis (dibutyldithiocarbamate)		■	■	■	no	n.a.
K204C	47.00%	zinc mercaptobenzothiazole	■	■	■	■	yes	n.a.
K338D	50.00%	zinc bis (diethyldithiocarbamate)	■	■	■	■	no	n.a.
K460B	33.30%	N,N'-Diphenylguanidin		■	■	■	yes	n.a.
K460D	50.00%	N,N'-Diphenylguanidin		■	■	■	yes	n.a.
B35	56.30%	zinc oxide, sulphur and accelerators		■			no	no
B58	50.00%	zinc oxide, sulphur and accelerators		■			yes	no
B75	56.60%	zinc oxide, sulphur and accelerators		■			no	no
B218	51.20%	zinc oxide, sulphur and accelerators	■				no	no
B235	52.20%	zinc oxide, sulphur and accelerators	■				yes	no
B248	52.20%	zinc oxide, sulphur and accelerators	■				yes	no
B252	51.30%	zinc oxide, sulphur and accelerators	■				no	no
B272	50.00%	sulphur and accelerators	■				no	yes
B292	52.00%	zinc oxide, sulphur and accelerators	■				no	no
B308	50.60%	zinc oxide, sulphur and accelerators	■				yes	no
B442	49.60%	zinc oxide, sulphur, antioxidant and accelerators				■	no	no
B464	49.50%	zinc oxide, sulphur, antioxidant and accelerators				■	yes	no
VD55	59.45%	sulphur, antioxidant and accelerators			■		no	yes
VD56	61.00%	zinc oxide, sulphur, antioxidant and accelerators			■		no	no
VD58	60.40%	sulphur, antioxidant and accelerators			■		no	yes
VD72	61.30%	zinc oxide, sulphur, antioxidant and accelerators			■		yes	no
VD74	60.00%	zinc oxide, sulphur, antioxidant and accelerators			■		no	no
VD77	61.50%	zinc oxide, sulphur, antioxidant and accelerators			■		no	no
VD80	61.00%	zinc oxide, sulphur, antioxidant and accelerators			■		yes	no
VD86	60.00%	zinc oxide, sulphur, antioxidant and accelerators			■		no	no

# Textile applications

## UPHOLSTERY COATING - FLAME RETARDANT FINISH according BS 5852

### General Features:

- For all fabric types
- Almost transparent
- Very soft and tack-free finish allowing very soft hand
- Odourless
- Non yellowing and non corrosive
- Soaking resistant according BS 5651

Productline			
	Type	Dry solids	Applications
EUROFLAM FRA 4	Lick Roll	40%	For flat upholstery fabrics as well for 100% PES fabrics
EUROFLAM FRA 5	Foam	60%	Flame retardant compound for upholstery fabrics - all fabric compositions
EUROFLAM FRA 6	Foam	50%	For acrylic velvet with improved pile fixation and Martindale abrasion test up to 40000r.
EUROFLAM FRA 20	Foam	50%	Universal flame retardant compound for all fabric compositions Especially for heavy and tight woven fabrics suitable for CRIB 5 and CRIB 7 finishes
EUROFLAM FRA 22	Foam	55%	Universal flame retardant compound for all fabric compositions - suitable for CRIB 5 and CRIB 7 finishes
EUROFLAM FRA 25	Foam	55%	Economical flame retardant compound
EUROFLAM FRA 60	Foam	50%	Halogene free compound for bus & coach fabrics (wool/PA - 80/20)

## UPHOLSTERY COATING - COMMON FINISH non flame retardant

### General Features:

- Very soft handle and tackfree finish
- Enhanced seam slippage and abrasion resistance
- Enhanced prevention on fraying edges
- Odourless
- APEO free
- Non corrosive
- Good foaming properties and fabric penetration
- For foam and lick roll

Productline			
	Dry solids	Dry add-on	Applications
EUROCOAT VPF 120	38%	6 - 15g/m <sup>2</sup>	For PES/PP and blends all cellulosic fibres
EUROCOAT VPF 145	45%	30 - 60g/m <sup>2</sup>	For PES/PP and blends all cellulosic fibres
EUROCOAT VPF 132	32%	6 - 15g/m <sup>2</sup>	Handle adaption for upholstery fabrics

# Textile applications

## MATTRESS TICKING COATING - FLAME RETARDANT FINISH according EN 597

### General Features:

- Soft and tack-free finish
- Excellent dimension stability to enhance seam slippage
- Formaldehyd and APEO free
- Non irritating
- Odourless and non-yellowing
- Halogene and Antimony free

Productline		
	Dry solids	Applications
EUROFLAM FRM 100	45%	Universal compound for PES/PP fabrics and blends with cellulosic fibres
EUROFLAM FRM 150	45%	Especially for PES/PP fabrics

## MATTRESS TICKING - COMMON FINISH non flame retardant

### General Features:

- Soft, tack-free and strong filmproperties
- Excellent dimension stability to enhance seam slippage
- Formaldehyd and APEO free
- Non irritating
- Odourless and non-yellowing

Productline			
	Dry solids	Dry add-on	Applications
EUROTICKING MTC 110	38%	6 - 15g/m <sup>2</sup>	For PES/PP and blends all cellulosic fibres
EUROTICKING MTC 140	45%	6 - 15g/m <sup>2</sup>	For PES/PP and blends all cellulosic fibres
EUROTICKING MTC 160	60%	6 - 15g/m <sup>2</sup>	For PES/PP fabrics

# Textile applications

## CURTAINS

Productline		
	Dry solids	Applications
EUROCOAT BO 312	50%	Foamable Blackout coating for one and three-layer application Non flame retardant
EUROCOAT BO 100	50%	Flame retardant

## BLINDS

Productline		
	Dry solids	Applications
EUROCOAT BL 100	60%	Heat sealable and HF weldable for padding
EUROCOAT BL 200	60%	Heat sealable and HF weldable for pastecoat

Both versions can be made flameretardant on request.

## PADDING OR SPRAYING PRODUCTS FOR FLAME RETARDANT FINISHES SLURRIES FOR POLYMER ADDITIONS

	Dry solids	Product type	Applications
FRD 1	60%	slurry	Antimony dispersion (also available as 70%)
FRD 1	70%	slurry	Bromine dispersion
FRD 4	34%	slurry	Organic salt dispersion
FHD 2005	50%	slurry	Flame retardant additive for needlepunch, carpet, nonwoven,... (DecaBDE-free)
FHD 2000	50%	slurry	Flame retardant additive for needlepunch, carpet, nonwoven,... (DecaBDE-free)
K 70 D	52%	slurry	Chlorparafine dispersion
FRD 12	53%	liquid	Flame retardant for cellulosic and other materials
FRD 15	53%	liquid	Flame retardant for cellulose rich materials
FRD 16	60%	liquid	Flame retardant for cellulosic materials
FRD 25	> 95%	liquid	Durable flame retardant for PES
FRD 30	30%	liquid	Non durable flame retardant

# Additives

	Total Solids	Chemical Name	Typical Applications
<b>ANTIOXIDANTS</b>			
K882C	40.00%	butylated reaction product of p-cresol and dicyclopentadiene	antioxidant for light-resistance and heat-resistance
K882SP	50.00%	butylated reaction product of p-cresol and dicyclopentadiene	antioxidant for light-resistance and heat-resistance
K746C	40.00%	polymerised 1,2-dihydro-2,2,4-tri-methylquinone	antioxidant for heat-resistance
<b>GELLING AGENTS</b>			
K447A	50.00%	sodium fluorosilicate	gelling agent for SSF-systems
K447F	60.00%	sodium fluorosilicate	gelling agent for SSF-systems
K447AV	25.00%	sodium fluorosilicate	gelling agent for SSF-systems
K447MV	20.00%	sodium fluorosilicate	gelling agent for SSF-systems
GELEER4	12.00%	ammonium acetate	gelling agent for AAG-systems
GELEER6	20.00%	ammonium acetate	gelling agent for AAG-systems
<b>THICKENERS</b>			
K3600	12.00%	sodium polyacrylate	thickener for different types of compounds based on carboxylated styrene-butadiene latex, styrene-butadiene latex and/or natural latex
K600	16.00%	sodium polyacrylate	thickener for different types of compounds based on carboxylated styrene-butadiene latex, styrene-butadiene latex and/or natural latex
K255	15.00%	sodium polyacrylate	used for thickening compounds with low total solids contents
Et60/2	10.00%	acrylic emulsion copolymer	thickener for different types of compounds based on carboxylated styrene-butadiene latex

# Additives

	Total Solids	Chemical Name	Typical Applications
<b>WETTING AGENT</b>			
Eurowet	66.00%	Diethylhexyl Sodium Sulphosuccinate	
<b>SURFACTANTS</b>			
Euramaat TS	36.00%	Di-sodium Tallow Sulphosuccinamate	foaming agent and latex stabilizer for precoats, secondary backings and no-gel latex systems
Eurasol KT	20.00%	Potassium salt of tall oil	foaming agent and latex stabilizer for gelled latex systems
Eurasol AO	11.00%	Ammonium Oleate	foaming agent and latex stabilizer for gelled latex systems
Eurosol KO	19.00%	Potassium Oleate	foaming agent and latex stabilizer for gelled latex systems
Euroquat HCB NG	36.00%	Cocamidpropyl Betaine	foaming agent for precoats, secondary backings and no-gel latex systems
K2438	38.00%	Alpha Olefine Sulphonate	foaming agent for precoats, secondary backings and no-gel latex systems
K28	28.00%	Sodium Lauryl Sulphate	foaming agent for precoats, secondary backings and no-gel latex systems

# Additives

	Total Solids	Chemical Name
<b>ANTIFOAM</b>		
K1480A	10.00%	Silicone based antifoam
<b>DISPERSANTS</b>		
K336B	30.00%	Sodium naphthalene sulphonate polycondensate
K865B	20.00%	Sodium hexametaphosphate
K501D	50.00%	Tetrapotassium pyrophosphate
K501N	5.00%	Tetrapotassium pyrophosphate
K4040	43.00%	Sodium polyacrylate
<b>WATERBASED COLOUR DISPERSIONS</b>		
Different colour dispersions are available on request (brown, red, yellow, blue, green, black, white)		
<b>PERFUMES</b>		
K42B	29.20%	mixture of different perfumes
K188B	28.00%	mixture of different perfumes
K192B	31.00%	mixture of different perfumes
<b>ANTISTATIC AGENTS</b>		
K90	70.00%	combination of a carboxylic acid compound and polymerisates
K48D	50.00%	potassium formate
K317	35.00%	carbon black antistatic agent
<b>VISCOSITY-STABILIZING AGENTS</b>		
K146A	7.50%	bentonite dispersion
K12705	3.00%	xanthan gum dispersion





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