



EOC BELGIUM

EMULSION DIVISION



Product Review



## CONSTRUCTION

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#### CEMENT MODIFICATION

Product	Solids (%)	Viscosity (mPas)	pH	MFFT/Tg (°C)	Backbone	Features & Uses
L 6050	50	<300	8-9	<1/-22	xSBR	good flexibility at low temperature
L 6061	46	<300	8-9	<1/-16	xSBR	flexible general purpose cement modifier
L 6066	48	<300	8-9	5/5	xSBR	general purpose cement modifier
BC 4700	50	<500	7-8	3/1	A	high quality acrylic cement modifier

#### DAMP PROOFING

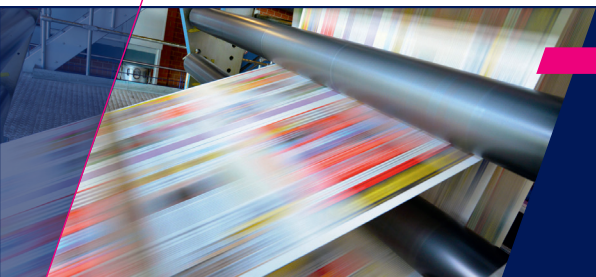
Product	Solids (%)	Viscosity (mPas)	pH	MFFT/Tg (°C)	Backbone	Features & Uses
L 6231	53	<300	8-9	<1/-8	xSBR	excellent water resistance & damp proofing
L 6232	51	<300	8-9	<1/-8	xSBR	excellent water resistance & damp proofing, ammonia free
L 6263	51	<300	8-9	5/5	xSBR	excellent water resistance & damp proofing
L 6280	51	<300	7.5-8	35/35	xSBR	excellent water resistance & damp proofing - hard

#### CEMENTITIOUS WATER PROOFING

Product	Solids %	Viscosity (mPas)	pH	MFFT/Tg (°C)	Backbone	Features & Uses
BC 7920	56	<1500	7-8	<1/-13	SA	APEO free, drinking water approved for 2K sealing applications

#### BITUMEN MODIFICATION

Product	Solids %	Viscosity (mPas)	pH	MFFT/Tg (°C)	Backbone	Features & Uses
L 6061	46	<300	8-9	<1/-16	xSBR	general purpose bitumen modifier
L 6263	51	<300	8-9	5/5	xSBR	increased water resistance & cohesion
L 6720	50	<300	8-9	<1/-38	xSBR	excellent low temperature flexibility



## GRAPHIC ARTS

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#### ALKALI SOLUBLES

Product	Solids %	Viscosity (mPas)	pH	Acid number	MFFT/Tg (°C)	Backbone	Appearance	Features & Applications
EC 4109	40	<150	5-6	110	<0/9	A	opaque	ink & OPV on paper & corrugated board. Screen inks
EC 4118	44	<150	2-4	150	54/70	A	opaque	economical inks, paper & corrugated board
EC 4128	45	<150	2.5-4	135	75/70	SA	opaque	very good pigment wetting. Ink for paper & board
EC 4139	40	<150	2-3	110	<0/9	A	opaque	ink & OPV on paper & corrugated board
EC 4140	45	<100	4-5	80	30/29	A	opaque	for flexo inks with improved water resistance, wall paper inks
EC 4157	31	<2000	9-9.5	8	>80/102	A	translucent	solution for flexo inks. Suitable for tissue printing. NaOH neutralized
EC 4159	31	<2001	9-9.5	20	62/102	A	translucent	solution for flexo inks. Suitable for tissue printing. NaOH neutralized
EC 4168	33	<800	8.7-9.2	60	21/70	A	translucent	solution for flexo inks. Good adhesion to PVC, good colour development

#### RESIN CORED

Product	Solids %	Viscosity (mPas)	pH	Acid number	MFFT/Tg (°C)	Backbone	Appearance	Features & Applications
EC 4111	44	ca. 500	8-9	68	>90/100	SA	semi translucent	flexo / gravure, ink & OPV. Screen inks
EC 4112	48	ca. 2500	7.5-8.5	60	<5/4	A	semi translucent	gloss flexo, gravure, OPV. PE, PP, alu, foil. Good water crinkle resistance
EC 4113	45	ca. 700	7.5-8.5	55	15/50	SA	semi translucent	for gloss flexo, gravure & OPV
EC 4114	41	ca. 700	7.5-8.5	116	<0/-18	A	semi translucent	for high gloss OPV
EC 4120	45	ca. 1650	7.5-8.5	88	0/-20	A	semi translucent	for gloss OPV's and flexo ink on foil
EC 4126	47	<2500	8-8.7	74	60/64	A	semi translucent	for detergent resistant inks on wall paper
EC 4141	45	<400	8-9	68	>90/100	SA	semi translucent	ammonia free emulsion for flexo inks
EC 4152/1	48	ca. 700	7.5-8.5	60	<5/4	A	semi translucent	gloss flexo inks and OPV's
EC 4156	47	<2000	8-8.7	74	60/64	A	semi translucent	for detergent resistant inks on wall paper

#### GLYCOL ETHER FREE

Product	Solids %	Viscosity (mPas)	pH	Acid number	MFFT/Tg (°C)	Backbone	Appearance	Features & Applications
EC 4121	44	ca. 500	8-9	68	>90/100	SA	semi translucent	flexo inks and OPV's
BC 4112	48	ca. 2500	7.5-8.5	60	<5/4	A	semi translucent	gloss flexo, gravure, OPV. PE, PP, alu, foil. Good water crinkle resistance
BC 4153	41	ca. 1000	8.5-9.5	-	<5/-28	A	semi translucent	for heat resistant applications
EB 4155	42	<1000	8-8.5	130	>90/90	SA	semi translucent	high gloss OPV, pre-print applications

#### SPECIAL APPLICATIONS

Product	Solids %	Viscosity (mPas)	pH	Acid number	MFFT/Tg (°C)	Backbone	Appearance	Features & Applications
EC 4153	41	ca. 1000	8.5-9.5	-	<5/-28	A	semi translucent	for heat resistant applications
EC 4142	48	ca. 800	7.5-8.5	-	<5/-5	A	semi translucent	for cardboard blister pack applications
EC 4147	50	<1000	7.5-8	-	>90/92	A	white emulsion	for flexo inks for PVC wall covering, good effect pigment stability, detergent resistant
EC 4166	47	<500	8-8.7	74	60/64	A	semi translucent	inks for PVC wall covering, neutralized by the means of AMP95, metallic pigment stability





## POLYURETHANES

### POLYURETHANE

PU/Acr							
Product	Solids %	Viscosity (mPas)	pH	Persoz hardness	Tensile properties	Features	Applications
EH 2622 E	45	<600	7.5-8.5	145	-	low VOC, high alkali resistant	concrete coatings & sealers
EH 3070 E	38	<250	7-8	230	-	self X	universal coatings to wood & metal
EH 1050	34	<300	7.5-8	250	-	self X, good blocking & chemical resistance	parquet & furniture coatings
EH 1060	35	<1000	7-8.5	160	-	self X, good blocking & chemical resistance, VOC free	parquet & furniture coatings

Tensile Properties: F100% N/mm<sup>2</sup>, Tensile Strength (N/mm<sup>2</sup>), Elongation at break (%)

PUD							
Product	Solids %	Viscosity (mPas)	pH	Persoz hardness	Tensile properties	Features	Applications
EP 2100 E	34	<1500	7.5-9	250	29/40/110%	hard & flexible	metal & wood coatings
EP 2200 E	34	<500	8-9	295	33/45/100%	increased toughness	wood coatings
EP 6005	35	<1000	7-8	190	-	VOC free, high abrasion resistance	wood coatings
EP 2600 E	40	<400	8-9	160	9/41/450%	combination elongation/toughness	wood coatings
EP 2900 E	30	<500	8-9	340	34/42/-	outstanding chemical resistance	plastic coatings
EP 2950 E	35	<2500	7.5-9	225	19/24/250%	high gloss, UV resistant	plastic coatings
EP 4300 E	40	<1000	7.5-9	104	2/20/>830%	soft feel	textiles, plastics & graphic art
EP 3107	38	<500	7.5-9	100	4/27/770%	VOC free, PE backbone	textiles & plastics
EP 3117	36	<1000	7.5-9.5	100	7/17/390%	VOC free, PE backbone	membranes, textiles, roof coatings

Tensile Properties: F100% N/mm<sup>2</sup>, Tensile Strength (N/mm<sup>2</sup>), Elongation at break (%)



## ADDITIVES & RHEOLOGY CONTROL

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Product	Solids %	Viscosity (mPas)	pH	Features & Uses
Dispersant				
ED 4010	45	<2000	7-7.6	polyacrylic dispersing agent, low molecular weight
ET 5000	12	<18000	7-7.6	polyacrylic thickener for xSBR, natural & neoprene latices
Thickeners				
ET 60	29	<100	2-4	ASE
ET 81	29	<100	2-4	HASE
Specialties				
ED 6000	33.5	<10000	6-7	high molecular weight, textile
ED 4115	50	<2000	2-3.5	anti scaling agent



## GENERAL EMULSIONS



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#### PVAC

Product	Solids %	Viscosity (mPas)	pH	MFFT/Tg (°C)	Features	Uses
BV 1201	60	2500-6500	4-5	<1/0	formaldehyde free	interior wall paints
BV 4000	50	<1000	5-7	18/31	surfactant stabilised PVAc	high compatibility
BC 3000	50	<1000	2-4	<1/9	vinyl acrylic	interior coatings
BV 190	50	7000-13000	3.8-4.5	4/27	water resistant	D3 wood adhesives

#### STYRENE ACRYLICS

Product	Solids %	Viscosity (mPas)	pH	MFFT/Tg (°C)	Features	Uses
BC 7301	50	1500-6000	7-8	14/18	low water pick-up, good alkali resistance	general purpose paints & plasters, adhesives
BC 7304	50	1500-6000	7-8	3/11	low VOC, ammonia free	general purpose paints & plasters, adhesives
BC 7305	50	1500-6000	7-8	<1/-5	elasticity, low water pick-up	general purpose paints & plasters, adhesives
BC 7308	50	<500-3000	7-8	38/42	hard SAE, ammonia free	wood & concrete primers
BC 5010	42	<500	7.5-8	35/39	high alkali resistance	anticorrosion, metal primers
BC 4871	35	<500	7-8	<1/5	nano particle dispersion	deep penetrating primers
BC 7800	60	<1500	4-5	<1/-5	ACN copolymerised	adhesives, adhesion promotor

ammonia free versions available on request

#### ACRYLICS

Product	Solids %	Viscosity (mPas)	pH	MFFT/Tg (°C)	Features	Uses
BC 4302	47	<2000	7-8	6/12	excellent durability, wetting of various substrates	general purpose paints
BC 4800	35	<500	7-8	<1/5	nano particle dispersion	deep penetrating primers
BC 4360	50	<1000	7-8	45/40	hydrophobic acrylic, excellent water whitening, high alkali resistance	hard, concrete coatings
BC 4361	50	<1500	7-8	33/31	hydrophobic acrylic, excellent water whitening, high alkali resistance	medium hard, concrete & metal
BC 4362	48	<2000	7-8	3/7	hydrophobic acrylic, low VOC, whitening resistance	soft, mineral coatings, crack bridging
BC 4363	50	<1500	7-8	18/20	hydrophobic acrylic, surfactant free, ultimate water resistance	coatings, mineral stone plasters
BC 4365	50	<2500	7-8	18/20	universal hydrophobic acrylic	multipurpose
BC 4319	50	<1500	7-8	19/20	wet adhesion, hydrophobic	wooden mineral coatings

ammonia free versions available on request

BC 4501	50	<1500	7.5-8.5	3/-	low VOC version of BC 4365	high quality paints & coatings
BC 4580	50	<1500	7.5-8.5	3/-	low VOC version of BC 4363	coatings, mineral stone plasters

#### SELF-CROSSLINKING ACRYLICS

Product	Solids %	Viscosity (mPas)	pH	MFFT/Tg (°C)	Features	Uses
BC 4502	50	<3000	7-8	34/-	excellent hardness & blocking, chemical resistance	furniture & flooring coatings
BC 4503	50	<3000	7-8	5/-	low MFFT, good hardness & weathering resistance	joinery applications
BC 4552	45	<1000	7-8	43/-	increased block development,	furniture & flooring coatings increased chemical resistance
BC 4553	45	<1000	7-8	7/-	low MFFT, increased chemical resistance	joinery applications



Protective Coatings  
Cement admixtures  
Adhesives & Sealants  
Tissue Printing  
Wood Coatings  
Architectural Coatings  
Plastic Coatings  
Blister Pack  
Wall paper & PVC flooring  
Heat Resistant  
Architectural Plasters  
Paper & Board  
Damp proofing Membranes  
Thickeners & Dispersants  
Roof Coatings  
Polyurethanes Copolymers

**EOC Belgium, Emulsion Division** is a member of the EOC Group, founded in 1948 with headquarters in Oudenaarde, Belgium and worldwide production units. Our dispersions are always innovating and aiming for superior quality products.

Our Research and Development Department is prepared to have a closer look towards your specific needs and in this way we can offer you tailor made solutions.

We cover a wide range of applications, the main ones being coatings, inks & OPV's, sealants & adhesives and construction. EOC Emulsions products are subject to a rigorous and continuous quality control and are fully compliant with regulations in place.

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