Film formers

Rolflex®
Sipacril

Where chemistry shapes
protection and performance

Anionic aliphatic polyurethane dispersions

BINDER FEATURES				HARDNESS		MECHANICAL PROPERTIES			THERMAL PROPERTIES	APPLICATION RANGE					PLUS
POLYCARBONATE POLYURETHANES															
Product	**% Solid**	**% Co-solvent**	**Certifications**	**Shore**	**Konig (s)**	**100 % Modulus (MPa)**	**Tensile Strenght (Mpa)**	**Elongation at break (%)**	**Softening point (°C)**	**Technical coating/ protection**	**Tie coat/ lamination**	**Padding/ finishing**	**Printing pastes**	**Foam/FR**	**Description**
Rolflex® ACF	35	DMM 8 %	Bluesign/ ZDHC 3	D 65	130	16	26	190	220	●		●			Premium High-Gloss Coatings for Ultimate Surface Protection
Rolflex® T 87	35	DMM 4 %	Bluesign/ ZDHC 3	N.A.	35	5.6	28	350	160-170	●	●				Tough, Flexible Film with Excellent Adhesion to PVC Substrates.
POLYESTERS POLYURETHANES															
Rolflex® BIO 49	35 (BIO* 62 %)	MEK < 1%	Bluesign/ ZDHC 3	N.A.	88	14	23	270	200-210	●					High-Gloss protection, Stiffening effect, Bonding on PVC Substrates
Rolflex® VLM	35	MEK < 1%	-	N.A.	50	9	30	400	160-170	●	●				High-Gloss Overcoats engineered for Flawless Ink Adhesion and Print Quality
Rolflex® B 62	35	DMM 5 %	-	D50	38	8	25	500	180-190	●	●				Durable and flexible high-gloss coatings
Rolflex® T 63	35	DMM 5 %	Bluesign/ ZDHC 3	A70	27	2.5	18	600	120-140		●				Universal Adhesion Booster for PVC and Polyester
Rolflex® DA K 07	40	MEK < 1%	Bluesign/ ZDHC 3	A40	20	1.4	4	700	120-140		●				Specialized Lamination Adhesive for Textile and Leather
Rolflex® BZ 78	50	Acetone < 1%	Bluesign/ ZDHC 3	A65	28	1.2	5	600	210-220	●			●	●	Screen Inks, Fire Protection, and Foaming Solutions
Rolflex® ZB 7	50	Acetone < 1%	Bluesign/ ZDHC 3/GOTS	A 50	7.5	0.8	4	1000	220-230			●	●	●	Screen Inks, Fire Protection, and Soft Foaming Solutions
POLYETHERS POLYURETHANES															
Rolflex® MV 15	30	DMM 5.5 %	Bluesign/ ZDHC 3	D 60	84	20	27	200	>210	●		●			Resilient Stiffening Finish with Superior Wash and Hydrolysis Resistance.
Rolflex® D 90	32	Free	Bluesign/ ZDHC 3	N.A.	55	9	25	450	200-210	●		●			Pigment Dyeing, Stiffening, and Anti-Fraying Solutions with High-Gloss Results
Rolflex® DV 5	35	DMM 4 %	-	A 80	27	5	20	700	170-180	●			●		High-Gloss protection, Stiffening effect, Bonding on PVC Substrates
Rolflex® D 67	40	Free	Bluesign/ ZDHC 3	N.A.	30	4	18	700	170-180	●				●	Coating with Superior Water and Hydrolysis Resistance
Rolflex® D 27	40	Free	Bluesign/ ZDHC 3	D 30	28	3.5	16	550	170-190	●				●	Performance Coating with Superior Water-Column and Hydrolysis Resistance
Rolflex® HS 18	60	Free	Bluesign/ ZDHC 3	A50	35	3	15	500	180-190	●			●	●	Elastic Inks, Fire Protection, and High-Resilience Foaming Solutions
Rolflex® D 70	40	Free	Bluesign/ ZDHC 3	A 40	28	2.2	18	850	130-150	●	●		●		Elastic Pastes with Superior Water-Column Performance.
Rolflex® AP NEW	30	DMM 3%	Bluesign/ ZDHC 3	A60	45	1.5	10	600	180-200		●	●	●		Flexible Pastes and Soft-Handle Finishes— Available Biobased
Rolflex® ADT/7	35	DMM 5.3%	-	A70	16	1	7	750	210-220	●	●				Durable Lamination Adhesive with Superior Water and Hydrolysis Resistance
Rolflex® FR 66	40	Free	-	A30	10	0.5	2.4	1300	210-220	●	●			●	Highly Compatible with Flame-Retardant Additives for Optimal Formulation Flexibility
Rolflex® A 440	40	Free	-	A25	11	0.3	1	>1000	110-120		●				Highly Breathable Lamination Adhesive for Wet and Dry Applications—Available Biobased

Anionic aliphatic hybrid dispersions

BINDER FEATURES				HARDNESS		MECHANICAL PROPERTIES			THERMAL PROPERTIES	APPLICATION RANGE					PLUS
URETHAN-ACRYLIC HYBRID DISPERSIONS															
Product	**% Solid**	**% Co-solvent**	**Certifications**	**Shore**	**Konig (s)**	**100 % Modulus (MPa)**	**Tensile Strenght Mpa)**	**Elongation at break (%)**	**Softening point (°C)**	**Technical coating/ protection**	**Tie coat/ lamination**	**Padding/ finishing**	**Printing pastes**	**Foam/FR**	**Description**
Rolflex® PU 148	35	DMM 4.5%	Bluesign/ ZDHC 3	D 55	100	17	25	230	190-200	•		•			Crisp Tulle Finishing for Pleated Blinds with Minimal Film Build-Up
Rolflex® V 13	35	Acetone < 1%	-	D 60	75	14	20	300	180-210	•		•			Brilliant, Mirror-Finish Top Coat Formulations
Rolflex® D 8	35	Acetone < 1%	Bluesign/ ZDHC 3	D 45	22	5.5	16	400	140-150	•	•		•		Dry Lamination and Digital Print Preparation Solutions
Rolflex® K 110	40	Acetone < 1%	Bluesign/ ZDHC 3	A 45	13	0.4	1.2	1000	110-150	•	•	•	•		Ultra-Flexible Inks and Pastes for Maximum Stretch and Durability

Non-ionic aliphatic polyurethane dispersions

BINDER FEATURES				HARDNESS		MECHANICAL PROPERTIES			THERMAL PROPERTIES	APPLICATION RANGE					PLUS
POLYETHERS POLYURETHANES															
Product	**% Solid**	**% Co-solvent**	**Certifications**	**Shore**	**Konig (s)**	**100 % Modulus (MPa)**	**Tensile Strenght Mpa)**	**Elongation at break (%)**	**Softening point (°C)**	**Technical coating/ protection**	**Tie coat/ lamination**	**Padding/ finishing**	**Printing pastes**	**Foam/FR**	**Description**
Rolflex® PN	30	Acetone < 1%	Bluesign/ ZDHC 3/GOTS	A 55	9	0.5	1	900	170-180			•			Efficient Garment Dyeing with Reduced Roller Build-Up
Rolflex® PAD	30	Acetone < 1%	Bluesign/ ZDHC 3/GOTS	N.A.	8	N.A.	N.A.	N.A.	170-180			•			Efficient Garment Dyeing with Reduced Roller Build-Up
Rolflex® SW 3	35	Acetone < 1%	Bluesign/ ZDHC 3/GOTS	A 35	17	0.8	2	1000	160-180	•		•		•	Denim Finishing for a Soft Hand-Feel and Lasting Anti-Pilling Protection

Cationic aliphatic polyurethane dispersions

BINDER FEATURES				HARDNESS		MECHANICAL PROPERTIES			THERMAL PROPERTIES	APPLICATION RANGE					PLUS
POLYCARBONATE POLYURETHANES															
Product	**% Solid**	**% Co-solvent**	**Certifications**	**Shore**	**Konig (s)**	**100 % Modulus (MPa)**	**Tensile Strenght Mpa)**	**Elongation at break (%)**	**Softening point (°C)**	**Technical coating/ protection**	**Tie coat/ lamination**	**Padding/ finishing**	**Printing pastes**	**Foam/FR**	**Description**
Rolflex® C 1	30	MEK < 1%	GOTS	D 40	14	3.5	20	400	160-170			•		•	Enhances Mechanical Resistance of PFC-Free Water Repellents

Anionic Acryilic Emulsions

BINDER FEATURES				HARDNESS		THERMAL PROPERTIES	APPLICATION RANGE					PLUS
ACRYLIC EMULSION												
Product	**% Solid**	**Type**	**Certifications**	**Tg (°C)**	**Konig (s)**	**Softening point (°C)**	**Technical coating/ protection**	**Tie coat/ lamination**	**Padding/ finishing**	**Printing pastes/ foam**	**Fray Prevention**	**Description**
Sipacril CP 34	45	Self-crosslinking acrylonitrile	-	-40	<10	N.A.		•	•	•		Non-Woven Binder with Minimal Surface Tack
Sipacril CP 29	45(BIO** 46 %)	Acrylic	Bluesign/ZDHC 3/ GOTS	-10	10	> 230				•		Soft-Handle Binder for Printing Pastes with Superior Wash Durability
Sipacril MA	40(BIO** 46 %)	Acrylic	Bluesign/ZDHC 3	-11	17	180-200	•			•		Performance Binder for High Water-Column Coatings
Neopat PMS 45 NF	45	Acrylic	Bluesign/ZDHC 3/ GOTS	-25	7	250			•	•		High-Fastness Binder for Pigment Systems with Minimal Film Build-Up
Sipacril AMC	37.5 (BIO** 42%)	Self-crosslinking acrylic	Bluesign/ZDHC 3	5	< 20	200-250						Thermal Coagulation Binder for Non-Woven Bonding
Sipacril PLA	46 (BIO** 30 %)	Acrylic	–	11	30	190-200	•		•		•	Non-Woven Finishing for Edge Integrity and Fray Prevention
Sipacril 577	35	Acrylic	–	16	35	100-110		•				Low-Tack Dry Lamination Adhesive with Excellent Water Resistance
Sipacril KR	47	Acrylic	–	16	21	130-140		•		•		Low-Tack Glass Fiber Lamination and Mechanical Foaming Solutions
Sipacril RGD	40(BIO** 27 %)	Acrylic	–	34	80	110-120			•		•	Finishing for Wadding/Non-Wovens and Controlled Fabric Stiffening
Sipacril 298	40	Self-crosslinking acrylic	–	24	38	> 250	•	•				Universal Adhesion Booster for TPU and Diverse Plastic Films
Sipacril 302	50	Hydroxylated acrylic	–	50	50	140-150	•		•		•	Stiffening Agent with Enhanced Reactivity for Isocyanate Curing
Sipacril BIO 5025	41 (BIO** 50 %	Polysaccha-ride-acrylic	–	9	55	> 230			•		•	Effective Oil and Grease Repellency

* According to ASTM D6866
** According to EN 16785_2