

AllCoat Technology is a privately owned ISO 9001:2000 registered corporation located in Wilmington, MA producing specialty polymers, coatings and adhesives for industry. We are vertically integrated, producing a wide range of solvent and water-based products designed to meet continually evolving market and environmental demands.

Manufacturing:

- Polymerization; Custom water and solventbased polyurethane and acrylic polymers.
- Pigment/Powder Dispersion; multiple and varied milling options for consistently efficient particle size reduction.
- Custom Compounding and Blending; processes designed specific to formulation and customer's needs.
- Custom Color Matching; quality reflected in consistently meeting or exceeding color and gloss requirements.
- Contract Manufacturing; Versatile chemical manufacturer with ISO 9001:2000
 Certification.

Markets:

- Textile Coatings: breathable and nonbreathable water proofing systems.
- Custom Manufacturing; vertical integration promotes efficient "Bench to Batch" technology transfer and product scale up.
- Coatings; Specialty, Architectural and Industrial (OEM, Military and Marine), quality coatings customized to meet your specific needs.
- Graphic Arts; Paper, Film and Foil applications. Printable topcoats, OPV etc.
- Adhesives; Custom formulated water and solvent-based pressure sensitive and laminating adhesives.

Allow the chemists at AllCoat Technology to help you develop the best formulations for your products. We have the experience to supply your solvent based needs but with ever changing environmental regulations forcing reduced VOC content, we have the technology to assist your transfer to water-based chemistries.

Contact us or your AllCoat representative today to discuss your product needs.



		AllUth	ane - S	olventbas	sed Polyuret		mers	
	Description	Solids (%)	Viscosity (cps)	Specific Gravity (g/cc)	Solvent	100% Modulus (psi)	Tensile	Floration (%)
	Description Aromatic				System DMF	* '	(psi)	Elongation (%)
51825	Polyether	40.0	35,000	0.95	Methyl Ethyl Ketone	200	3000	800
	, ,			•	ive applications. 51825 on. Crosslinker 10298 a		•	al gap coating
	Aromatic	40.0	35,000	0.95	DMF	1225	4150	575
51558	Polyether				Methyl Ethyl Ketone			
					tions. It is provided in so s added at 1-2% prior to	• • • • • • • • • • • • • • • • • • • •	lly applied by	conventional
	Aromatic	30.0	40,000	0.98	DMF	2470	5100	270
52432	Polycarbonate					2470	3100	210
)lycarbonate j	ooiyuremane. r	Excellent resistand	, ,			
52448	Aliphatic Polyester	28.0	10,000	0.89	Toluene Isopropyl Alcohol	2800	4000	240
32440		ased polyure!	thane suitable f	for textile coating	as well as other general	I purpose topcoat a	pplications. T	he resin can be
	pigmented, has ex				ant.			
52465	Aliphatic Polyester	30.0	30,000	0.91	DMF, Toluene Isopropyl Alcohol	1350	6500	450
32403	-	olyurethane fo	or textile topcoa	at applications suc	ch as awnings and tents.	. 52465 has excelle	ent adhesion t	o nylon, good
	flexibility and chen	•			in exterior applications			. , . ,
52471	Aliphatic Polyester	25.0	10,000	0.93	DMF, Toluene Isopropyl Alcohol	465	6600	675
3241	•	d, aliphatic po	lyester polyure	ethane suitable for	both adhesive and topo	coat applications.		
	Aromatic				·			
52528	Polyether	35.0	20,000	0.98	DMF	2300	5400	360
	52528 is a hard, so			e suitable for use	as a laminating adhesiv	e where solvent re	sistance is cri	tical. Crosslinker
	10298 is typically a Aromatic		<u>6.</u>		DMF, Toluene			
52531	Polyether	35.0	20,000	0.94	Methyl Ethyl Ketone	400	1800	600
	-	ersion of 515	58, designed f	or use in laminatir	ng applications where a	"soft hand" is desir	red.	
	Aromatic	25.0	25 220	0.00	DMF, Toluene	100	200	000
52532	Polyether	35.0	25,000	0.92	Methyl Ethyl Ketone	120	800	900
	Very high elongati	on laminating	, adhesive whe	re excellent softne	ess and flexibility is desi	ired.		
	Aliphatic	30.0	10,000	0.89	Toluene	3400	5000	220
52538	Polyester 52538 is a harder,				Isopropyl Alcohol			
		— Iligiloi mon p	Will Version or	J2440.				
52539	Aliphatic Polyether	30.0	10,000	0.87	Toluene Isopropyl Alcohol	1700	5000	400
<u> </u>	,	aliphatic poly	ether polyureth	nane. It has a softe	ening point > 335° F an	nd is useful whe	re heat resi	stance is
	required.							
52604	Aliphatic Polycarbonate	30.0	12,000	0.93	DMF, Toluene Isopropyl Alcohol	4000	5100	185
<u>-01-00</u> .	Hard polycarbonat	te based poly	urethane with	excellent durabilit				
	Aliphatic				Toluene			
52606	Polycarbonate	30.0	12,000	0.91	Isopropyl Alcohol	2300	4000	250
	Medium-hard poly	carbonate ba	sed polyuretha	ane with excellent	abrasion resistance and	d hydrolytic stability	1.	
	Aliphatic	25.0	15,000	0.87	Toluene	NA	7600	7
52655	Polycarbonate				Isopropyl Alcohol		7000	,
	Very hard, aliphali	c polycarbona	ate polyuretnar	ne with excellent c	chemical and stain resis	tance.		
A								
				_	100 Eames St., Wi	ilminaton Mass	eachusetts	01887
			7UC		Phone: 978-988-08	380 • Fax: 97	8-658-3366	3



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Markets:

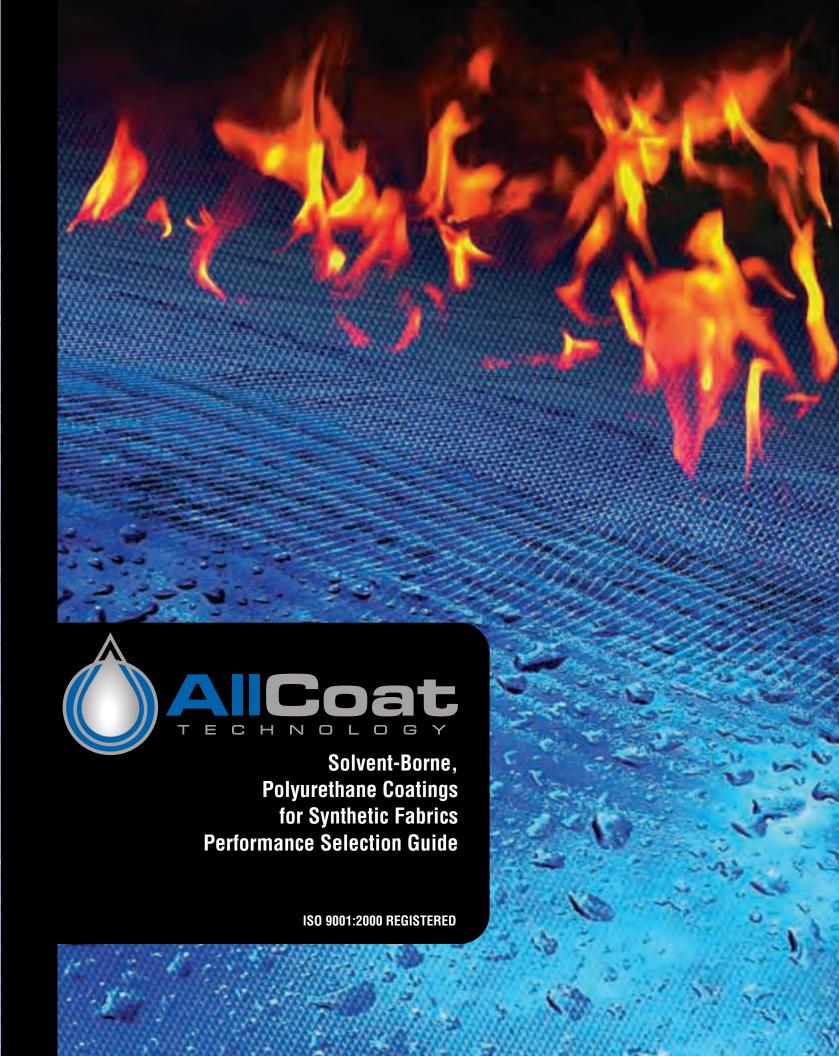
- Textile Coatings: breathable and nonbreathable water proofing systems.
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			hane - W		based Pol				
	Description	Solids	Vice a city (cnc)	pН	Specific	VOC	100% Modulus	Tensile	Floraction (0/)
	Description Aliphatic	(%)	Viscosity (cps)		Gravity (g/cc)	%	(psi)	(psi)	Elongation (%)
30522	Polyester	35.0	125	7.7	1.02	1.3	4000	7000	300
	Solvent free waterba	ased aliphati	c polyurethane di	spersion.	. The polymer exhi	bits excellent	adhesion to a var	riety of substra	ates making it
	suitable for formulati	ing low VOC	coatings for met	al, wood	and plastic substra	ates.		_	_
30540	Aliphatic Polyester	40.0	400	7.7	1.03	10.0	3000	5000	375
30540	High solids waterbas	sed alinhatio	nolyurethane dis	nersion v	with broad adbesio	n latitude and	1 excellent resista	nce to chemic	als and
	household cleaners.	•		•					ais and
	Aliphatic	35.0	40	7.7	1.03	10.0		4000	10
30544	Polyester								
	Waterbased polyure		•		• •			-	d a heat
	reactivated adhesive Aliphatic								
30551	Polyether	35.0	60	7.7	1.01	0.9	1100	3000	580
	Solvent free waterba	ased aliphati	c polyurethane di	spersion	for low VOC coati	ngs where fle	xibility and toughn	ness are requi	red. An excellent
	film former, dried filn								
20572	Aliphatic	35.0	160	7.5	1.03	10.0	65	262	800
30573	Polyester Waterbased aliphati	c nolvuratha	ne dispersion de	sianad fo	r coating vinyl as y	vell as other (surface treated sul		
	a soft polymer with a							บอแลเซิง Sucil	as 11 0. 303/3 IS
	Aliphatic	40.0	150	9.0	1.03	14.4	•	7000	10
30577-1	Polycarbonate								
	High solids, waterba								
	resistance and tough Aromatic						istance suitable fo	i exterior appl	ications.
30581-1	Polyether	28.0	200	9.5	1.01	8.7			
	An aromatic waterba	ased polyure	thane dispersion	for use ir	n basecoat or adhe	esive applicat	ions. It is a very so	oft polymer	
	with excellent clarity	, film format	ion and adhesive	propertie	es.				
30606	Aliphatic Polyester	33.0	150	8.0	1.03	5.8	1000	3000	600
30000	An aliphatic waterba	sed polvure	thane dispersion	neutralize	ed with DMEA. 306	606 is a soft r	oolymer with		
	good tensile strength								
	Aliphatic	35.0	40	8.0	1.01	1.0	374	1300	660
30607	Polyether							. 300	3.00
	Solvent free waterba film forming characte		•						
	Aliphatic							/200	250
30625	Polyester	35.0	150	8.5	1.03	10.2	4400	6200	250
	Waterbased aliphati								, abrasion
	resistance and chem Aliphatic					or wood, met	al and concrete a		
30631	Polyester	34.0	120	8.0	1.02	10.3	600	2190	550
	Waterbased aliphati	c polyuretha	ne dispersion wit	h excelle	nt adhesion to flex	ible films. 30	631 has good abra	asion and che	mical resistance
	and can be used to f		•				•		
20640	Aliphatic	35.0	150	9.0	1.03	12.3		8700	45
30640	Polycarbonate Waterbased aliphati			disparei	on designed for pr	oducina costi	nas where a comb		
	flexibility and toughr							omanon on tilt	inilai iesistatiee,
	Aliphatic	35.0	100	8.5	1.03	9.4	875	2600	375
30654	Polycarbonate								
	Aliphatic polycarbon								ble substrates. Its
A.	combination of flexib	onity, water a	and solvent resista	ance mak	ke it suitable for tex	xtile, plastic, i	metal and wood ap	oplications.	
					100 Eames S	St., Wilmin	gton, Massach	nusetts 018	887
			Ual		Phone: 978-9	0880-880	• Fax: 978-65	58-3366	
	TEC	HNO	D L O G	Y	Ext. 311 Kurt	Bimmler,	kbimmler@al	lcoattech.c	om



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Product No.	Polymer Type	% Solids (by Wt.)	Wt./Gal. (Lbs.)	Viscosity @25°C (CPS)	Properties
DURANE E	Basecoats				 DURANE Basecoats can be pigmented with 7633 DURANE series dispersions and are designed to be compatible with a broad range of DURANE Topcoats.
51087	Aromatic Polyester Thermoset	40	8.0	35000	 One component general purpose basecoat Enhanced flow for tight knife settings Good hydrostatic resistance
51144	Aromatic Polyester Thermoset	50	8.2	35000	High solids one component basecoatEnhanced flow for tight knife settingsExcellent hydrostatic resistance
52169	Aromatic Polyester Thermoset	50	8.5	25000	 One component high solids basecoat Enhanced flow for tight knife settings Useful as a stand alone coating
52295	Aromatic Polyester Thermoset	57	9.0	25000	 High solids basecoat for low demand applications Cost effective Enhances fabric integrity
DURANE T	Topcoats				DURANE Topcoats can be pigmented with 7633 DURANE series dispersions and are designed to be compatible with a broad range of DURANE Basecoats.
51054	Aromatic Polyester Thermoset	42	8.1	8000	Semi-gloss topcoatTapeable
51903	Aromatic Polyester Thermoset	40	7.9	6000	High gloss topcoatSoftNon-tapeable
52060	Aromatic Polyester Thermoset	38	7.9	7000	 Multifunctional with superior abrasion properties Firm, Non-tapeable Useful as a one coat system
53000	Aliphatic Polyester Thermoset	42	8.2	7000	Low gloss topcoatTapeableGood hydrolytic stability
53001	Aliphatic Polyester Thermoset	40	8.1	7000	Semi-gloss topcoatTapeableGood hydrolytic stability
DURANE	Laminating Adl	nesives			
9140	Aliphatic Polyether Thermoplastic	41	7.6	20000	 Two component soft adhesive Designed to bond various films, fabrics and foils Use with 10251 crosslinker
51558	Aromatic Polyether Thermoplastic	40	7.9	35000	 Two component soft adhesive Excellent bond strength Designed to bond various films, fabrics and foils Excellent hydrolytic stability, heat and chemical resistance Crosslink with 10298
51825	Aromatic Polyether Thermoplastic	40	7.6	35000	 Two component general purpose soft adhesive Designed to bond various films, fabrics and foils Crosslink with 10298
51885	Aromatic Polyether Thermoplastic	46	8.4	35000	 Two component, soft, fire retardant adhesive Designed to bond various films, fabrics and foils Crosslink with 10298
Color Disp	ersions				
DURANE Pigment Dispersions	N/A	N/A	N/A	N/A	 7633 product line Designed to complement DURANE Basecoats & Topcoats

SOLVENT-BORNE, POLYURETHANE COATINGS for SYNTHETIC FABRICS

Droduct	Dolumer	0/ Colida	W/+ /Col		Divergetion
Product No.	Polymer Type	% Solids (by Wt.)	Wt./Gal.	Viscosity @25°C (CPS)	Properties
DURANE	Fire Retardar	t Basecoat		,	
51592	Aromatic Polyester Thermoset	53	8.8	30000	 Fire retardant basecoat for type 66 nylon High Solids Designed to be used with 52180 or 52350 topcoat
52014	Aromatic Polyester Thermoset	46	8.6	25000	 Fire retardant basecoat for type 6 or type 66 nylon Designed to be used with 52180 or 52350 topcoat
52401	Aromatic Polyester Thermoset	46	8.6	25000	 Fire retardant basecoat for type 6 or type 66 nylon Non-brominated formulation Designed to be used with 52180 or 52350 topcoat
DURANE	Fire Retardar	nt Topcoat			
52180	Aliphatic Polyesther Thermoset	42	8.2	7000	Low gloss fire retardant topcoatSoftTapeable
52350	Aliphatic Polyether Thermoset	42	8.2	7000	Semi-gloss fire retardant topcoatSoftTapeable
52402	Aliphatic Polyether Thermoset	42	8.2	7000	 Low gloss, non-brominated fire retardant topcoat Soft Tapeable
COMFORT	EX Basecoat				Basecoats can be pigmented with COMFORTEX Dispersions.
51977	Aromatic Polyester Thermoset	40	7.9	35000	 Cost effective breathable basecoat with balanced MVTs Soft Durable Good hydrostatic resistance
51908	Aromatic Polyether Thermoset	40	7.8	25000	 Breathable basecoat with improved MVTs verses 51977 Soft • Durable Good hydrostatic resistance Meets CRFD/PD99-04B PFU when used with 52160-D Topcoat
52394	Aliphatic Polyether Thermoset	40	7.6	30000	 Breathable basecoat with optimum MVT performance Suitable for military and outerwear applications Soft • Durable • Good hydrostatic resistance Excellent hydrolytic stability Use with COMFORTEX Topcoat 52346
COMFORT	EX Topcoat				Topcoats can be pigmented with approved COMFORTEX Dispersion.
53002	Aliphatic Polyester Thermoset	31	7.6	7000	 Soft, breathable topcoat with balanced MVTs Durable, good hydrostatic resistance Use with COMFORTEX Basecoat 51977
52160-D	Aliphatic Polyester Thermoset	32	7.7	5000	 Soft, breathable topcoat with good MVTs Durable, good hydrostatic resistance Meets CRFD/PD99-04B PFU when used with 51908 Basecoat
52346	Aliphatic Polyester Thermoset	31	7.6	7000	Breathable topcoat with optimum MVT performance Suitable for military and outerwear applications Soft, tapeable, durable and abrasion resistant Good hydrostatic resistance Excellent hydrolytic stability Use with COMFORTEX Basecoat 52394
COMFORT	EX Laminating	Adhesive			
51850	Aromatic Polyether Thermo -plastic	40	7.7	35000	 Two component breathable adhesive Excellent bond strength for film/fabric or fabric/fabric Can be applied as a continuous or discontinuous coating Crosslink with 10298
52282	Aromatic Polyether Thermo -plastic	37	7.6	11000	 Two component breathable adhesive Superior bond strength for film/fabric or fabric/fabric Can be applied as a continuous or discontinuous coating Crosslink with 10298

AllCoat Technology 100 Eames Street, Wilmington, Massachusetts 01887 Phone: 978-988-0880 Fax: 978-658-3366 www.allcoattech.com

Coater's Corner - Helpful Hints

	Coater's Corner - Herpital Hills
Observation	Adjustment*
Spitting- polymer build-up under knife that releases onto the fabric resulting in "white specks"	 Adjust blade height. Add a compatible, slow evaporating solvent to the coating.
Hazy or Frosty Appearance, Blisters	 Adjust the oven temperatures. Add a compatible, slow evaporating solvent to the coating.
Blocking	 Increase oven temperatures. If three coats are being application 2-head machine, apply first base, wind, and then coat base and top. Add an additional amount of supplier recommended catalyst.
Strike-through	 Reduce the line tension. Adjust the angle of the blade moving it towards the oven. Adjust the coating viscosity per supplier recommendation.
Intercoat Adhesion Difficulty	 Lower the oven temperature. Coating may have started to cure. Lower the line speed. Introduce a supplier recommended, strong solvent to attack the first coat.
Excessive Tack	1. Adjust oven temperatures to optimize solvent evaporation.
Streaks	 Adjust the line tension. Check the coating weight to monitor optimum application conditions. Swipe the blade.
Slack	1. Adjust the line tension. Fabric slack may result in uneven coating weight.

^{*} Please consult AllCoat technical staff before making solvent or catalyst adjustments.

Manufacturing Capabilities ISO 9001-2000

- 1. Polymerization:
 - Úrethane
 - Acrylic and Vinyl Acrylic Polymers and Co-polymers
 - Solvent
 - Water
 - · Aromatic and Aliphatic
- 2. Dispersions:
 - Ball Mill
 - Pebble Mill
 - Media Mill
 - High Speed
- 3. Custom Compounding and Blending
- 4. Custom Color Matching
- 5. Contract Manufacturing and Packaging

Markets Served

- Aerospace
- Architectural
- Automotive
- Films, Tape and Labels
- Inl
- Industrial Coatings
- Marine

- OEM
- Packaging
- Paper Manufacturing
- Shoe & Footwear
- Textile
- Wall Coverings
- Military
- Pressure Sensitive Adhesives



Serving Customers Since 1923

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Customer Service: 978-988-0880 x337