PASSION
FOR SCIENCE

Texachem International

Advanced Adhesive Solutions

Texachem

TEXACHEM IS A DYNAMIC COMPANY ACTIVELY DEDICATED TO THE RESEARCH, DEVELOPMENT AND PRODUCTION OF POLYURETHANES.

Texachem has always been prepared to meet the needs of its customers. Thanks to the work and support of his scientists and technicians, **Texachem has been able to develop products tailored to their needs**. Continuous research has led over the years to develop **successful products** on the **international market**.

THE STRENGHT OF ITALIAN RESEARCH APPLIED TO ADHESIVES FOR FOOD PACKAGING

Texachem is an extremely dynamic italian company, mainly devoted to **research, development and production of polyurethanes**. These high-tech materials are very versatile and mainly used in **food packaging** field in particular/especially as **adhesives for film/foil lamination, gloss lamination and in the production of printing inks**.

The production includes:

- Primers
- Adhesives for plastic film and aluminium foil lamination
- Gloss lamination
- Varnishes and heat seal lacquers
- Polyurethane resin for the production of vehicles ink

A VOCATION TO RESEARCH AND DEVELOPMENT TO OFFERING INNOVATIVE SOLUTIONS

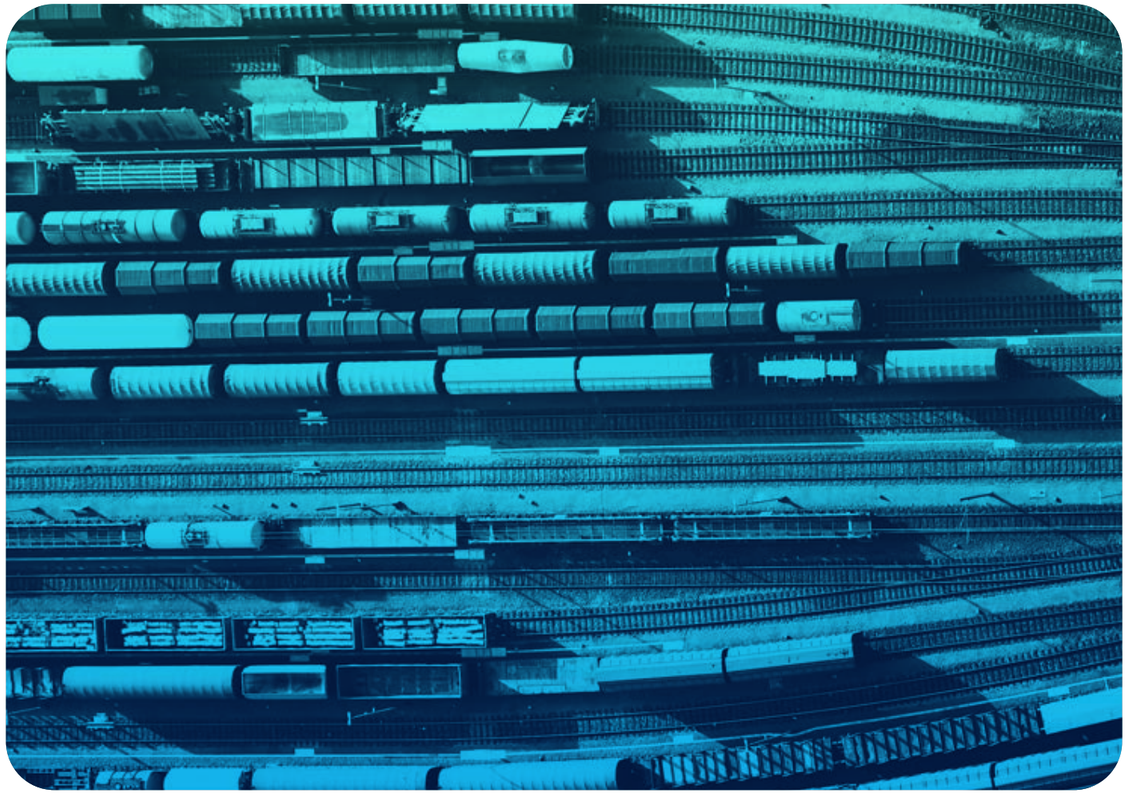
Texachem invests heavily in r**esearch and innovation to anticipate or create new trends**.

Our R&D and Technical Service Teams are always ready to answer to any request from our customers.

Quality, service, experience and quickness in answering to customer requests **are the prerogatives of our Technicians and of the entire organization**.

Texachem is an **ISO:9001**, **ISO:14001** and **ISO:45001 certified** Company.

ISO 9001:2015 ISO 14001:2015 ISO 45001:2018



LEADER IN MORE THAN 30 COUNTRIES WORLDWIDE

Texachem owes its important and steady growths to international markets where it is an important leader, perfect for those looking for a **cooperative and reliable partner** which ensures value-added high competitiveness.

Texachem is **flexible**, **quality certificated**, **international** and **sustainable**.

PRODUCT LINES

SOLVENT LESS AND SOLVENT BASED POLYURETHANE ADHESIVES

Ready-to-eat food Sterilization, Deep draw Cold form, semi rigid	PET/ALU/CPP PET/ALU/PET/CPP PET/ALU/PA/CPP	**SOLVENT LESS** TEXACOTE SF 390 - CR 395 TEXACOTE SF 390 - CR 377S TEXACOTE XP 2021/5107 – CR 314S **SOLVENT BASED** TEXACOTE SB 205 - CR 205 TEXACOTE SB 205/75 - XP 5659 TEXACOTE SB 237 - CR 218 TEXACOTE SB 202/50 - CR 200 TEXACOTE SB 241 - CR 220
Pouches Pasteurization/Boiling Sterilizable lidding	PETSiOx/CPP PETSiOx/PE/CPP PETSiOx	
Fruit Juice,detergents Stand-up pouches Refill/"Hot-fills"	PETmet/PE PETX/PE PET/ALU/PE	**SOLVENT LESS** TEXACOTE SF 301 - CR 300 TEXACOTE SF 301 - CR 302 TEXACOTE SF 301 - CR 320 TEXACOTE SF 543 - CR 342 **SOLVENT BASED** TEXACOTE SB 203 - CR 203 TEXACOTE SB 251 - CR 209 TEXACOTE SB 275 - CR 203 TEXACOTE SB 222/70 - CR 200
Sachet Portion packs Pouches, "warm fills"	PET/ALU/ PE high slip PA/PE, OPA/PE PAX/PE PA/EvOH/PA/PE PA/PE/EvOH/PE	
Coffee/Powder Vacuum packs	PET/PE OPP/PE	
Meat, cheese Vacuum packs	OPP/OPP OPP/met OPP OPPX/OPP	**SOLVENT LESS** TEXACOTE SF 301 - CR 300/6 **SOLVENT BASED** TEXACOTE SB 214 - CR 213
Biscuits, snacks		
Label, wrappers Noodles		

ADHESIVE SOLVENT BASED

Products	%NV	Vx Brookfield (mPa*s @25°C)	Mix ratio	Features and applications
GENERAL PURPOSE				
TEXACOTE SB 214 (OH)	70±2	6000±2000	100	Two component adhesives with medium thermal resistance. The product has an high wettability and low solvent retention, suggested for lamination at high speed
TEXACOTE CR 213 (NCO)	81±2	1500±500	100	
MEDIUM PERFORMANCE				
TEXACOTE SB 275 (NCO)	75±1	4250±1000	100	Two component adhesive system which offer a very good wettability and easy drying of solvents. Suitable with film containing high slip agent quantity.
TEXACOTE CR 203 (OH)	75±1	3500±500	25	
TEXACOTE SB 251 (NCO)	75±2	4500±1500	100	Two component adhesives with high thermal resistance. The laminates produced can resist to boiling and pasteurization, sterilization is possible only in film/film structure.
TEXACOTE CR 209 (OH)	100	60±10	2,5	
MEDIUM TO HIGH PERFORMANCE				
TEXACOTE SB 222/70 (OH)	70±1	5000±2000	100	Two components OH solvent-based adhesive system with high chemical and thermal resistance. Suggested for PET/ALU structure involved in electric cable insulation, but it can also be used with different other plastic substrates. Adhesive suitable for structures such as PET/ALU, PET/ALU/PE, PET/ALU/CPP and all barrier film structures. The high non-volatile part of the system allows high concentration coating and application including paper.
TEXACOTE CR 200 (NCO)	75±2	1600±400	11,5	
HIGH PERFORMANCE				
TEXACOTE SB 203 (NCO)	60±1	750±150	100	Two component adhesive system with high wettability of all the substrate in film/film, film/ALU and film/metfilm lamination. The laminate produced are boiling and pasteurization resistant, we suggest previously to run trials for any sterilization application. Suitable for hot filling application.
TEXACOTE CR 203 (OH)	75±1	3500±500	20	
TEXACOTE SB 205/75 (NCO)	75±1	4500±1500	100	Two component adhesive system suitable for pasteurizable, sterilizable/retortable structures. Suitable for lamination of all the substrate containing aluminum, metallized and transparent films thanks to its high brightness results. Suitable for laminate that require aggressive fillings resistance and hot filling.
TEXACOTE CR 205 (OH)	100	60±10	2,5	

Products	%NV	Vx Brookfield (mPa*s @25°C)	Mix ratio	Features and applications
TEXACOTE SB 205/75 (NCO)	75±1	4500±1500	100	Two component adhesive system suitable for pasteurizable, sterilizable and high thermal resistance structure. Suitable for all the structure that include aluminum, in transparent structures the high brightness offers very good results. Suitable for very aggressive fillings and hot fillings too.
TEXACOTE XP 5659 (OH)	80±1	330±100	11	
TEXACOTE SB 237 (NCO)	60±1	750±150	100	Two component adhesive system suitable for lamination of ALU containing structures and films such as PE, OPP, CPP, PA, PET. Shows excellent green strenght, fast curing and low curling effect. Suitable in case of high thermal and chemical resistances are required. Resistant to boiling, pasteurization and sterilization. The system is PAA free immediately after production.
TEXACOTE CR 218 (OH)	100	70±20	2	
TEXACOTE SB 229 (NCO)	75±1	8500±2000	100	Two components high performance solvent-based adhesive system suitable for lamination of ALU containing structures and films such as PE, OPP, CPP, PA, PET. Shows excellent green strenght, fast curing and low curling effect. Provide high thermal and chemical resistances. The obtained wrappers are resistant to boiling, pasteurization and sterilization. Resistant in structures filled with very aggressive filling such as 3% acetic acid. PAA free after lamination.
TEXACOTE CR 226 (OH)	100	70±20	10	
TEXACOTE SB 202/50 (OH)	50±1	3000±1000	100	Two components OH solvent-based high performance adhesive system. Provides high chemical and thermal resistances. Shows very good adhesion and high wettability. Suitable for structures involving ALU foil and all barrier film. Furthermore is suitable to make flexible packaging multilayers with high performances such sterilization and chemical resistance.
TEXACOTE CR 200 (NCO)	75±2	1600±400	9	
TEXACOTE SB 241 (NCO)	60±1	800±150	100	High performance solvent-based two component polyurethane adhesive with free isocyanate monomer < 0,1%. The system is suitable for lamination involving alu foils and the most common plastic films. Shows excellent green strenght, fast curing, low curling effect, high thermal and chemical resistances. The system is resistant to boiling, pasteurization and sterilization. The laminates are PAA immediately free after production.
TEXACOTE CR 220 (OH)	100	70±20	2	
MONO COMPONENT ADHESIVE				
TEXACOTE SB 221 (NCO)	75±2	4500±1500	100	Mono component adhesive suitable for lamination of paper and plastic films. In transparent structures shows an excellent optical result.
TEXACOTE SB 275 (NCO)	75±1	4250±1500	100	Mono component adhesive more suitable to ALU and metallized films.

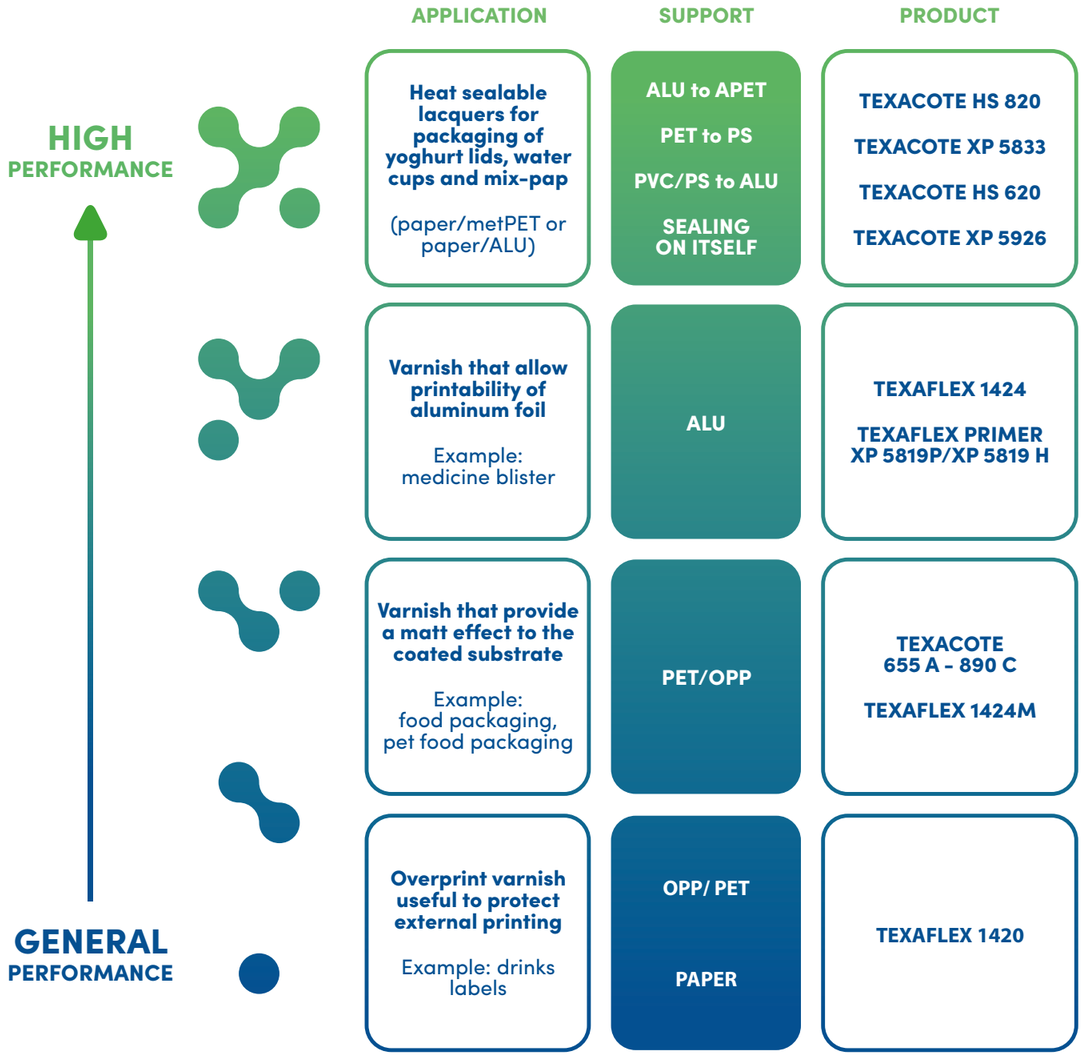
ADHESIVE SOLVENT LESS

Products	Vx Brookfield (mPa*s) @25°C	Vx Brookfield (mPa*s) @40°C	Mix ratio	Features and applications
GENERAL PURPOSE				
TEXACOTE SF 301 (NCO)	3500±1500	-	100	Two component adhesive system suitable for lamination of the most common plastic films such as BOPP, CPP, PET, PE, OPA, CPA and metallized. Its composition allows lamination at high speed, excellent substrate wettability and fast curing time. Resistant to boiling and pasteurization in transparent structures.
TEXACOTE CR 300/6 (OH)	850±250	-	80	
MEDIUM PERFORMANCE				
TEXACOTE SF 301 (NCO)	3500±1500	-	100	Two component adhesive system with good chemical and thermal resistance, suitable for lamination of the most common plastic films, aluminum, and metallized films. Suitable for high speed lamination, it has a good wettability and fast curing.
TEXACOTE CR 302 (OH)	550±100	-	60	
TEXACOTE SF 301 (NCO)	3500±1500	-	100	Two component adhesive system that allow lamination of pretty much all the most common plastic films, metallized as well and also aluminum. The adhesive has medium-high thermal and chemical resistances, allow fast lamination speed and has fast curing. It is resistant to boiling and pasteurization in transparent structures.
TEXACOTE CR 300 (OH)	2500±1000	-	50	
TEXACOTE SF 301 (NCO)	3500±1500	-	100	Medium performance two component solvent-free adhesive system suitable for lamination of printed and unprinted substrates, metallized, ALU foil and transparent film such as PE (including EVA and white), PP, PET and PA. The system shows excellent wettability, long pot-life in metering rolls. Resistant to boiling and pasteurization in transparent structures. The adhesive is not indicated for aggressive fillings.
TEXACOTE CR 322 (OH)	1500±500	-	60	
TEXACOTE SF 301 (NCO)	3500±1500	-	100	Medium performance two component solvent-free adhesive system suitable for lamination of printed and unprinted substrates, metallized, ALU foil and transparent film such as PE (including EVA and white), PP, PET and PA. The system shows excellent wettability, good final bonds. Resistant to boiling and pasteurization in transparent structures. The adhesive is not indicated for aggressive fillings.
TEXACOTE CR 332 (OH)	2000±1000	-	50	
TEXACOTE SF 301 (NCO)	3500±1500	-	100	Two component adhesive system that allow lamination of pretty much all the most common plastic films, metallized as well and also aluminum. The adhesive has good thermal and chemical resistance, allow fast lamination speed and has fast curing.
TEXACOTE CR 320 (OH)	3500±1500	-	60	
MEDIUM TO HIGH PERFORMANCE				
TEXACOTE SF 543 (NCO)	-	4500±1500	100	Two component adhesive system medium to high performance with good chemical and thermal resistance, allow lamination of all the plastic film and aluminum.It can be used at high speed with a fast curing and a very fast decay of primary aromatic amines (PAA).
TEXACOTE CR 342 (OH)	550±100	-	50	

Products	Vx Brookfield (mPa*s)		Mix ratio	Features and applications
HIGH PERFORMANCE				
TEXACOTE SF 390 (NCO)	-	4500±1500	100	Two component adhesive system with high resistance to aggressive filling and good "green-tack", suitable for lamination of film/film and film/ALU structure, metallized films included. Structures produced with transparent films are also sterilizable. Laminate made with aluminum offers a superior resitance to aggressive fillings, thermal and mechanical resistances. Very fast PAA decay time thanks to its chemical formulation.
TEXACOTE CR 395 (OH)	8000±1500	-	40	
TEXACOTE SF 390 (NCO)	-	4500±1500	100	Two component adhesive system that allow lamination at high speed with high resistance to aggressive filling and good "green-tack", suitable for lamination of film/film and film/ALU structure, metallized films included. Structures produced with transparent films are also sterilizable. Laminate made with aluminum offers a superior resitance to aggressive fillings, thermal and mechanical resistances. Very fast PAA decay time thanks to its chemical formulation (3 days).
TEXACOTE CR 377S (OH)	1100±1000	-	40	
TEXACOTE XP 2021_5107 (NCO)	24000±2000	-	100	High performance solvent- free adhesive system designed for lamination of plastic films to other plastic film, metallized, ALU, intended for use in dry foodstuffs, liquids, boil-in-bag food, wet wipes. Shows excellent wettability and good final bonds. Resistant up to sterilization on film-film and provides excellent chemical resistances. It was studied to provide superior results for lamination of barrier substrates, reducing the issue of bubbling even at high speed.
TEXACOTE CR 314S (OH)	2000±1000	-	80	

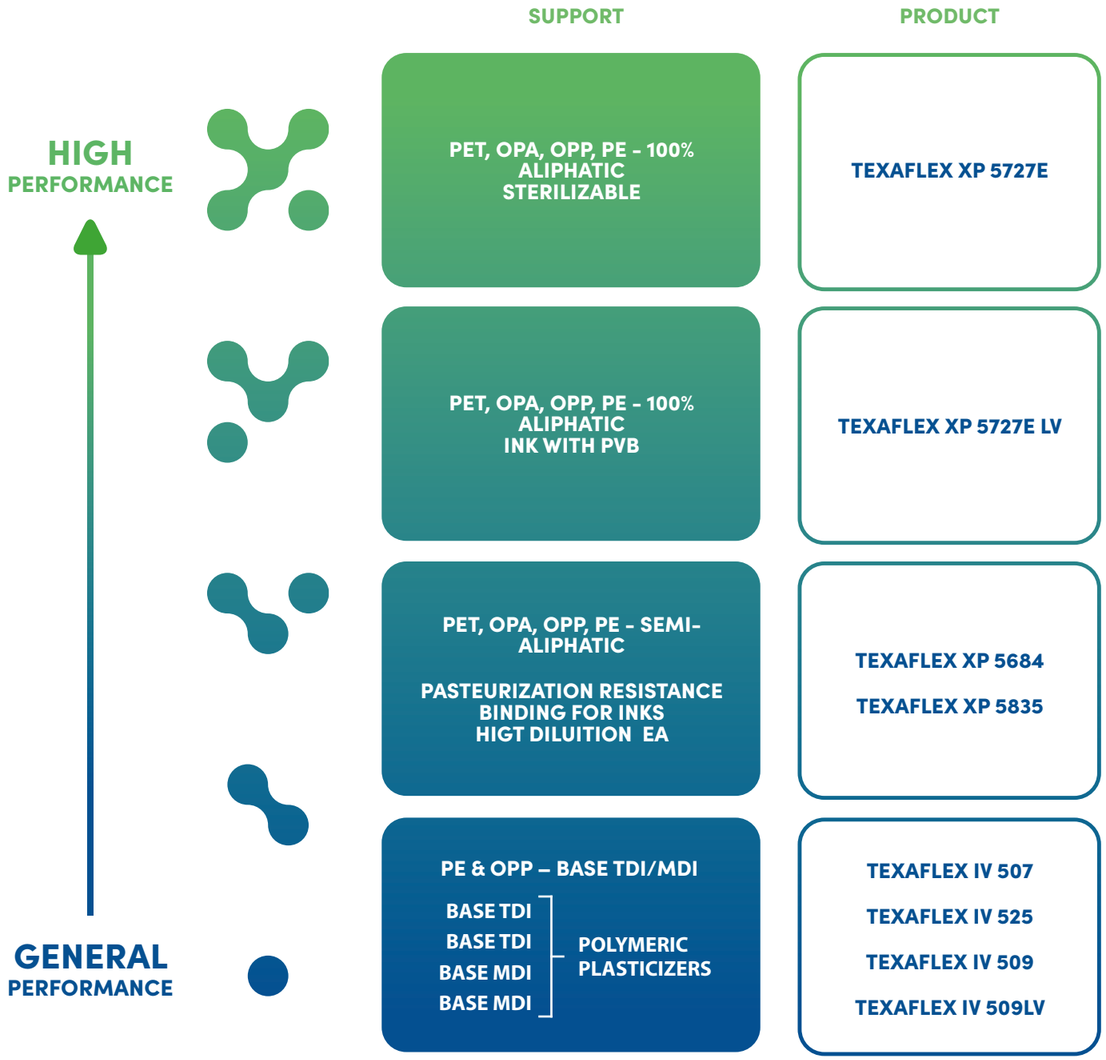
MONO COMPONENT ADHESIVE		
Products	Vx Brookfield (mPa*s) @50°C	Features and applications
TEXAGLOSS 402HV	60000±10000	PE based mono component adhesive, suitable for lamination of printed, neutral and metallized plastic films with paper and paperboad substrates.
TEXAGLOSS 400	40000±5000	
TEXAGLOSS 437D	25000±5000	Mono component adhesive, suitable for lamination of printed, neutral and metallized plastic films with paper and paperboad substrates. The adhesive require lower heating and application temperature rather than the other solutions.
TEXAGLOSS 437HV	60000±10000	Mono component adhesive, suitable for lamination of printed, neutral and metallized plastic films with paper and paperboad substrates. Well indicated in case of high paper porousity.

HEAT SEALABLE LACQUERS, OVERPRINT/PRINTABLE LACQUERS



Product name	%NV	Solvents	Main Applications	Applicable to	Sealable to
HEAT SEALABLE LACQUERS					
TEXACOTE HS 620	40±2	ETHYL ACETATE, MEK	Lacquer especially developed for heat sealing of PVC and PS substrates, it shows good sealing results, excellent wettability and easy drying properties.	ALU	PS - PVC - ON ITSELF
TEXACOTE XP 5833	38±2	MEK, PA, EA, ISOC	Universal heat seal lacquer suitable for the most common substrates available on the heat sealing market, included mix-pap. It shows very high sealing force results without necessity of primer. Easy drying properties and excellent wettability on all the different substrates where is applied.	PET - ALU - BOPP	PS - APET - PVC
TEXACOTE HS 820	37±2	MEK, PA, EA, CH	Universal heat seal lacquer suitable for the most common substrates available on the heat sealing market, included mix-pap. It shows very high sealing force results without necessity of primer. Easy drying properties and excellent wettability on all the different substrates where is applied. Lower viscosity for high solid application, it is also suitable for water cups application where difficult resistance conditions are required.	PET - ALU - BOPP	PS - APET - PVC - PP
TEXACOTE XP 5926	25±2	ETHYL ACETATE, ALIPHATIC HYDROCARBONS	Heat seal coating based on EVA-copolymer resin in organic solvents. Can be used at low sealing temperature and it is used as peelable in lidding stock.	(HD)PE, BOPP, PS, paper, PVC, PVdC, ALU	(HD)PE, BOPP, PS, paper, PVC, PVdC, ALU
1K OVERPRINT/PRINTABLE LACQUERS					
TEXAFLEX 1420	25±3	ETHYL ACETATE	Printable one component lacquer suitable for coating of metallized films.		
TEXAFLEX 1424	31±2	ETHYL ACETATE	Mono component overprint varnish with high gloss effect.		
TEXAFLEX 1424 M	31±2	ETHYL ACETATE	Mono component matt varnish suitable for external coating.		
2K OVERPRINT/PRINTABLE LACQUERS					
TEXAFLEX PRIMER 5819P - 5819H	46±1 (mix)	MEK	Printable 2K lacquer suitable for coating of any metallized surface, from plastic films to soft and hard aluminium foil. High flexibility and light resistance, it can be also used as overprint lacquer with high thermal resistance.		
TEXACOTE 655A - 890C	30-38% (mix)	ETHYL ACETATE	2K matt varnish for plastic films with good scratch resistance and thermal resistance. Can be applied by rotogravure system on different substrates like PP, BOPP, PET corona treated and PE.		

INK VEHICLES



Product name	%NV	Vx Brookifield (mPa*s @25°C)	Solvents	Main features
POLYMERIC PLASTICIZERS				
TEXAFLEX IV 525	100	60000±15000	-	TDI based polyurethane resin at 100% of solid. Suitable for PE and PP film inks, where it shows good adhesion and low odor. High heat resistance in nitrocellulose based inks.
TEXAFLEX IV 507	80±2	900±300	Ethyl acetate	TDI based polyuethane resin diluted in EA. Suitable for PE and PP film inks, where it shows good adhesion and low odor. High heat resistance in nitrocellulose based inks.
TEXAFLEX IV 509 LV	75±2	1000±500	Ethyl acetate / IPA	Aromatic polyurethane resin in solvent with low viscosity. Suitable for PP and PE film with flexo and gravure application, the resin has low odor and solvent retention.
TEXAFLEX IV 509	75±2	10000±3000	Ethyl acetate	Aromatic polyurethane resin, very flexible and not reactive, with high molecular weight. Suitable for PP and PE film with flexo and gravure application, the resin has low odor and good resistance to temperature.
SEMI-ALIPHATIC FILM FORMING POLYURETHANE				
TEXAFLEX XP 5684	45±3	3000±1000	Ethyl acetate / Iso-propyl Acetate	High molecular weight not reactive film forming polyurethane, it shows excellent adhesion of substrate as OPP, PET and OPA. It has a good solvent release in flexo and roto inks and pasteurization resistance.
TEXAFLEX XP 5835	50±1	5000±1000	Ethyl acetate / Ethanol	Semi-aliphatic polyurethane non-reactive, create a not tacky and flexible film suitable for roto and flexo printing. Offers a good adhesion on a wide range of substrate like OPP, PET and PE. Suitable for sole binder white inks because pigment can be directly disperse in the resin.
100% ALIPHATIC FILM FORMING POLYURETHANE				
TEXAFLEX XP 5727 E	51±2	5000±1000	Ethanol / Ethyl acetate	High molecular weight not reactive film forming 100% aliphatic polyurethane. No blocking tendency in flexo and roto gravure printing, it is suitable for retort application if small amount of nitrocellulose are present into the formulation. Good alcohol tolerance in nitrocellulose inks.
TEXAFLEX XP 5727 ELV	55±2	1450±250	Ethanol / Ethyl acetate	High molecular weight not reactive film forming 100% aliphatic polyurethane. The low viscosity allows high printing speed. No blocking tendency in flexo and roto gravure printing. Good alcohol tolerance in nitrocellulose inks, it can be formulate with PVB concentrate and nitrocellulose pigments.
TEXAFLEX XP 2042/3	50±2	2500±1500	Isopropanol 31% / Ethyl acetate 19%	Aliphatic elastomeric polyurethane resin with high molecular weight. Used to produce inks for lamination and external side inks. Suitable for flexo and rotogravure printing. Has good yellowing resistance thanks to its aliphatic nature and is completely soluble in alcohol. Has even a very flexible film which can be used in combination with monomer plasticizer or alone.

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visit **www.texachem.com**

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