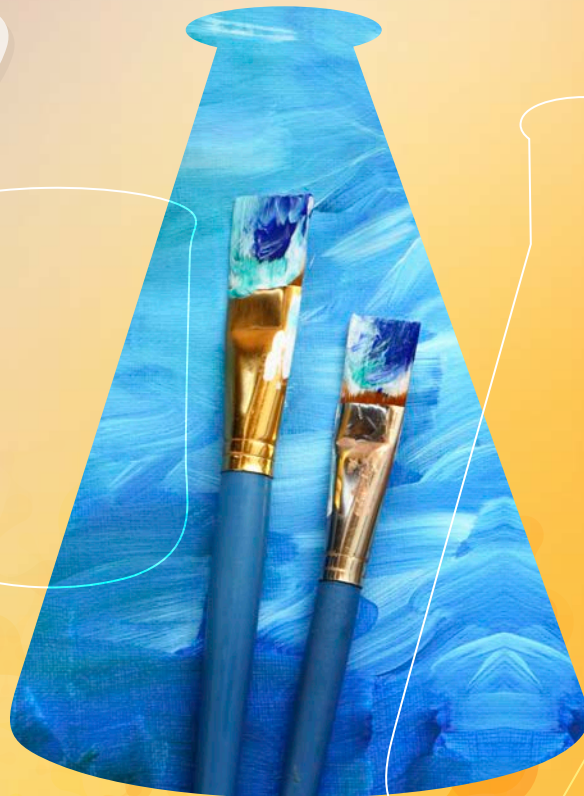




Resin and Polymer
Product Selection Guide

Graphic Arts



Vibrancy and versatility for artistic excellence

We understand the market demands and the technical solutions required by our customers, delivering dynamic products that are sustainable and cost efficient.



Applications

Our products are water-based styrene acrylic emulsion polymers and solid resins, all specially developed for a variety of typical Graphic Arts applications.

Texicryl is our leading waterborne product range and has become synonymous with first-class performance across all key applications:

Over print varnishes (OPVs): High gloss and functional coatings with barrier, resistance and heat sealable properties.

Flexo and Gravure inks: For paper, board and film substrates.

Specialist Adhesives: Polymers for blister seal and heat sealable coatings, for food and other specialist packaging.

Dependant on the end application there is a choice of grade options including:

- Colloid stabilised emulsions for OPVs.
- Alkali soluble grades for carton board inks.

Solid resins and solutions for gloss enhancement and pigment dispersion.

The products listed in our Graphic Arts guide are just a selection of products currently available. For information on our complete range please contact the most convenient Scott Bader office to you, listed on the back of this guide.



A complete and unique service from Scott Bader

Scott Bader was established in 1921 and today we are an independent, multinational chemical company with 600 employees worldwide. As a Commonwealth Ownership Company, owned by all employees, we operate with great agility and innovation for the customers and industries we serve.

Proud winners of The Gandhi Foundation International Peace Award 2014

Godric Bader, Life President of Scott Bader and son of founder Ernest Bader, recently received this award for the better business model created by him and his family, with corporate-social responsibility and sustainability business practices that were ahead of their time.

Specialty Resins and Polymers: We develop, manufacture and distribute synthetic resins and polymers for:

- Building and Decoration
- Graphic Arts
- Textiles and Furnishings
- Paints and Coatings

Knowledge and Expertise: Our people have unrivalled experience in the chemical industry. We build strong customer relationships to understand their needs, now and in the future.

Pioneering Products: Innovation and product development is at the heart of our company. Our leading product brands include:

- Texicryl
- Crestacryl
- Texipol
- Crystic
- Crestakyd
- Crestomer

Technical and Customer Support: We encourage our customers to involve us in their ambitions and challenges so that we can work together to find solutions.

Product Summary: For information on our complete range of products please contact the most convenient Scott Bader office to you, listed on the reverse of this booklet.

Colloid stabilised emulsions Key features/benefits

		NVC %	Viscosity mPa.s	pH	MFFT °C	Tg °C	FDA*	Acid No.
Texicryl 13-819	Emulsion vehicle with unique plasticiser technology. Good heat/blocking resistance, for highest gloss applications.	50	300	8.5	0	93	✓	45
Texicryl 13-809	Hard emulsion for high gloss, fast drying coatings, OPV's and inks. Can be used as deblocking modifier.	44	100	8.3	76	82	✓✓	65
Texicryl 13-814	Soft polymer with excellent water barrier properties for OPV's and inks. Heat sealable, very low Cobb value and low slip coefficient.	49	550	8.5	<0	5	✓✓	46
Texicryl 13-813	Low odour, soft polymer with superior gloss and holdout for use in overprint varnishes. Heat sealable.	46	120	8	<0	-9	✓✓	62
Texicryl 13-818	Modified acrylic copolymer for barrier coating applications with excellent flexibility and low MVTR and Cobb Values.	47	500	8.5	<0	5	✓✓	40

Polymers for sealable coatings and adhesives

Texicryl 13-525	For high quality blister packaging applications with superb seal integrity. High gloss, good levelling, low blocking. Modifier for natural rubber latex in cold seal applications.	50	400	8.3	<0	-5	✓	35
Texicryl 13-526	High performance styrene acrylic copolymer designed for use in cold seal adhesives. Excellent early water resistance.	50	200	4.5	12	19	✓✓	n/α
Texicryl 13-527	Cold seal adhesive binder with high pigment binding properties. Can be used in combination with Texicryl 13-528 to achieve desired properties.	50	90	6.5	26	25	✗	n/α
Texicryl 13-528	Soft styrene acrylic copolymer which can be used to modify the adhesion characteristics of latex based adhesives.	50	100	6.5	10	9	✓✓	n/α

Specialist ink binders

Texicryl 13-503	Designed for printing inks and non absorbent, low energy substrates, gives excellent wet rub performance.	43	400	9	<0	-50	✓	45
Texicryl 13-824	Hard non-film forming emulsion which can be coalesced to form a plasticiser and solvent resistant film. Excellent adhesion to vinyl and non-absorbent substrates. Suitable for inks PVC flooring and wallpaper.	45	190	8.5	70	66	✓✓	65

Specialist polymers for paper and board

Texicryl 13-827	Used to formulate metallic waterbased inks. Excellent compatibility with aluminium and bronze pigments.	45	120	8.5	70	60	✓	65
Texicryl 13-812	Alkali soluble acrylic polymer with good rub resistance and high print quality, suitable as a flexographic ink binder.	41	70	3.5	15	28	✓✓	130
Texicryl 13-825	High efficiency alkali soluble binder for flexographic printing of cartons and paper sacks.	44	88	3.3	63	80	✓✓	136

Solid styrene acrylic resins

Texicryl S-02	Low molecular weight alkali soluble resin designed to improve the gloss of water based overprint varnishes.	99	n/α	n/α	n/α	70	✓✓	250
Texicryl S-09	Mid range molecular weight resin with excellent pigment wetting characteristics. Improves gloss and resolubility to waterbased coatings.	97	n/α	n/α	n/α	105	✓✓	220
Texicryl S-12	High molecular weight resin for pigment dispersion and fluid inks.	97	n/α	n/α	n/α	105	✓✓	220

Resin solutions

Texicryl S-0933	33% solution of Texicryl S-09.	33	2000	8.5	n/α	105	✓✓	218
Texicryl S-0933M	33% solution of Texicryl S-09 in monoethanolamine.	33	300	8.5	n/α	70	✓✓	250

Grinding resin solutions

Texicryl G-1035	MEA solubilised resin solution for use as a pigment grinding vehicle with excellent pigment wetting and transfer properties.	35	800	8.8	n/α	96	✓✓	157
Texicryl G-1030	Ammonia neutralised grinding vehicle for flexo and gravure inks delivering high colour strength at low pigment concentrations.	30	400	8.3	n/α	81	✓✓	81

*Based on FDA compliant raw materials. For full FDA statement and limitations, please refer to regulatory dept.

Key:- ✓ = 175-105 ✓✓ = 176-170 ✗ = not compliant. Values given are an indication of characteristics and should not be taken as a supply specification. All information is given in good faith but without warranty. We cannot accept responsibility or liability for any damage, loss or patent infringement resulting from the use of this information.

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SmartLab Direct gives customers access to our Scott Bader rheology experts. Customers are assured of a prompt response to their enquiry and the help they need, meaning product innovations get to market faster than you might have thought possible.

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- Bespoke formulations FAST

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