

Product portfolio paper chemicals Paper, Paperboard & Specialty Paper

With the best connections



STOCKMEIER
CHEMIE





Paper, cardboard and special paper Dispersion binders, additives and inorganic pigments

STOCKMEIER Chemie is a specialist in raw materials for paper, board, cardboard and thermal paper. We offer a broad portfolio of technologies and chemicals for coated board, SBS board, coated fine paper, coated ground-wood and speciality papers. These are well known in the industry and have earned a reputation for quality and innovation.

Strong suppliers like DOW support and complete our portfolio with their products. With DOW's proven solutions, such as ROPAQUE™,

PRIMAL™ and OROTAN™, STOCKMEIER Chemie offers extensive opportunities to improve products and produce at the highest level of quality.

With our reliable quality and individual advice, we deliver tailor-made solutions for your applications. Our professional team of application engineers and sales specialists is at your disposal. Our experienced technicians have in-depth knowledge of the industry and will be happy to advise you on site.

Dispersion binders for paper

Binders for paper, paperboard and specialty papers by DOW

Product name	Polymer type	Non volatile in %	TG °C	Application	Properties	Feature and benefits
PRIMAL™ GL-618L	Pure acrylate	47 +/- 1	36	Specialty paper	Anionic, pH 8.6, Brookfield Viscosity 95 cP, Specific Gravity 1.07 g/cm ³ , Tg 36°C	Excellent hot and wet tensile strength, excellent mechanical stability, low foaming and excellent chemical stability.
PRIMAL™ B85	Pure acrylate	38 +/- 1	105	Specialty paper	Anionic, pH 9.8, Brookfield Viscosity <100 cP, Specific Gravity 1.06 g/cm ³ , Tg 105°C	Low formaldehyde, firm hand. Used as an additive to softer polymers to improve toughness and blocking resistance.
PRIMAL™ E-357EF	Pure acrylate	47-48 +/- 1	55	Specialty paper	Anionic, pH 9 -10, Brookfield Viscosity 20...100 cP, Specific Gravity 1.08 g/cm ³ , Tg 55°C	Acrylic emulsion polymer provides high stiffness and has very broad formulation latitude.
PRIMAL™ E-822DS	Pure acrylate	49.5-50.5 +/- 2	22	Specialty paper	Anionic, pH 8.2 -9.1, Brookfield Viscosity ma. 250 cP, Specific Gravity 1.07 g/cm ³ , Tg 22°C	Acrylic emulsion polymer with medium strength and stiffness provides excellent resistance to yellowing.
PRIMAL™ R-253 ER	Pure acrylate	40 +/- 1	33	Release coatings	Anionic, pH 9, Brookfield Viscosity 100 cP, Specific Gravity 1.07 g/cm ³ , Tg 33°C	Chemically resistant acrylic emulsion demonstrates fast drying together with its release properties.
PRIMAL™ P-308MR	Styrene-acrylate	50 +/- 1	8	Coated paperboard, SBS paperboard, Coated wood-free, specialty paper	Anionic, pH 7.5, Brookfield Viscosity 150 cP, Specific Gravity 1.04 g/cm ³ , Tg 8°C	High-Strength, medium soft binder, excellent choice for high quality printing. Greatly reduced print mottle. High pick strength facilitates lower binder levels in formulated coating. Excellent compatibility with calcium ions for today's high calcium carbonate pigmented systems.

Additives for paper

Synthetic pigments for paper application by DOW

Product name	Polymer type	Non volatile in %	Brookfield viscosity	Application	Properties	Feature and benefits
ROPAQUE™ ULTRA E	Hollow sphere pigment with optimized particle size and void fraction provides maximum light scattering and opacity.	30	<500 mPa*s	Thin printing paper, coated recycled board, specialty paper	Anionic, pH 8 - 8.7, 1.03 Specific Gravity, 0.4 µm Diameter, 44% Void Volume	Enables partial replacement of TiO ₂ in many formulations. Wide formulation latitude and compatibility. Low VOC and ammonia free. Lower carbon footprint than TiO ₂ .
ROPAQUE™ AF-1055ER	Hollow sphere pigment with optimized particle size and void fraction provides maximum light scattering and opacity.	26,5	<200 mPa*s	Coated paperboard, Coated groundwood, Coated woodfree, Specialty paper	Anionic, 7 pH, 1.02 Specific Gravity, 1 µm Diameter, 55% Void Volume	Excellent for sheet gloss, opacity and brightness development.
ROPAQUE™ AF-1570	Hollow sphere pigment with maximum diameter and maximum void fraction provides excellent insulation in pre-coats.	20	500 mPa*s	Thermal paper	Anionic, 1.02 Specific Gravity, 1.5 µm Diameter, 65% Void Volume	Provides high runnability on metered film press. Improved print performance for topcoated thermal paper vs calcined clay. Able to partially or fully substitute calcined clay.

Additives for paper

Dispersants by DOW

Product name	Polymer type	Non volatile in %	Application	Properties	Feature and benefits
OROTAN™ N-4045	Sodium salt of a polyacrylic acid	45	Coated paperboard, SBS paperboard, Coated groundwood, Coated woodfree, Specialty paper	Anionic, 7 pH, 1000 Brookfield Viscosity cP, 1.31 Specific Gravity	Sodium salt of polyacrylic acid. Extremely low VOC (<50 ppm). Excellent for maintaining low viscosities in coating colors and pigment slurries at both ambient and elevated temperatures. Contributes to excellent viscosity stability upon initial formulating and over extended periods.
OROTAN™ 165	Ammonium salt of a hydrophobic copolymer dispersant.	21,5	Coated groundwood, Coated woodfree, Specialty paper	Anionic, 8.5-9 pH, 160-400 Brookfield Viscosity cP, 1.1 Specific Gravity	Offers enhanced water resistance properties, excellent gloss and color acceptance.

Surfactants by DOW

Product name	Polymer type	Feature and benefits
Dowfax™ 2A1	Alkylbiphenyloxidbisulfonat, branched alkyl	FDA and BfR clearances.
Dowfax™ 3B2	Alkylbiphenyloxidbisulfonate, linear alkyl	FDA and BfR clearances.
Ecosurf™ EH-6	ethyl hexanolalkoxylate	Biodegradability, FDA/BfR clearances and superior wetting
Ecosurf™ EH-9	ethyl hexanolalkoxylate	Biodegradability, FDA/BfR clearances and superior wetting
Ecosurf™ LFE-635	ethyl hexanolalkoxylate end groups terminated	very dynamic and fast wetting, pore wetting
Ecosurf™ SA-7	fatty alcohol ethoxylate-propoxylate	Wetting and dispersing agent, bio-based material, replacement for APEOs, biological easy degradable
Ecosurf™ SA-9	fatty alcohol ethoxylate-propoxylate	Wetting and dispersing agent, bio-based material, replacement for APEOs, biological easy degradable
Tergitol™ 15-S-3	C11-15 secondary alkohelethoxylate ~3 EO	Biodegradability, FDA/BfR clearances and superior wetting
Tergitol™ 15-S-5	C11-15 secondary alkohelethoxylate ~5 EO	Biodegradability, FDA/BfR clearances and superior wetting
Tergitol™ 15-S-7	C11-15 secondary alkohelethoxylate ~7 EO	Biodegradability, FDA/BfR clearances and superior wetting
Tergitol™ 15-S-9	C11-15 secondary alkohelethoxylate ~9 EO	Biodegradability, FDA/BfR clearances and superior wetting
Tergitol™ 15-S-12	C11-15 secondary alkohelethoxylate ~12 EO	Biodegradability, FDA/BfR clearances and superior wetting
Tergitol™ 15-S-15	C11-15 secondary alkohelethoxylate ~15 EO	Biodegradability, FDA/BfR clearances and superior wetting
Tergitol™ L-61 E	EO/PO Block Copolymer	Biodegradability, FDA/BfR clearances and superior wetting
Tergitol™ L-81 E	EO/PO Block Copolymer	Biodegradability, FDA/BfR clearances and superior wetting

Rheology modifiers by DOW

Product name	Polymer type	Non volatile in %	Application	Properties	Feature and benefits
PRIMAL™ RM-232DE	Hydrophobically modified alkali-swellaible emulsion (HASE) is shear stable with low foam.	28	Coated paperboard, SBS paperboard, Coated groundwood, Coated woodfree, Specialty paper	Anionic, 5.4 pH, 30 Brookfield Viscosity cP, 1.04 Specific Gravity	Relatively high pH (as supplied) facilitates formulating into a coating with minimal shock. Good combination of efficiency and water holding. Offers excellent runnability in high speed coating applications. Particularly good in light weight coatings and under conditions of high shear.
PRIMAL™ TT-935 ER	Hydrophobically modified alkali-swellaible emulsion (HASE).	30	Coated paperboard, SBS paperboard, Coated groundwood, Coated woodfree, Specialty paper	Anionic, pH 3, Brookfield Viscosity 25 cP, Specific Gravity 1.06 g/cm ³	Good combination of efficiency and water holding. Offers excellent runnability in high speed coating applications. Particularly good in light weight coatings and under conditions of high shear.

Other additives and special chemicals

Amylase

Product name	Effective range pH	TFAU /ml min	Application	Feature and benefits
Prometamyl PC 60L	5 - 7,5	500	Starch plasticizer	Suitable in Batch and continuous process. selected strains of B. subtilis
Prometamyl PC 120L	5 - 7,5	1000	Starch plasticizer	Suitable in Batch and continuous process. selected strains of B. subtilis
Prometamyl PC 240L	5 - 7,5	2000	Starch plasticizer	Suitable in Batch and continuous process. selected strains of B. subtilis
Prometamyl PC 480L	5 - 7,5	4000	Starch plasticizer	Suitable in Batch and continuous process. selected strains of B. subtilis

Optical brighteners

Product name	CAS-Nummer	Application
Disulpho BA-L 130	CAS No. 4193-55-9	Optical brightening of paper
Disulpho BA-S 130	CAS No. 4193-55-9	Optical brightening of paper
Tetrasulpho APC 130	CAS No. 16470-24-9	Optical brightening of paper

Chelating agents

Product name	Application	Feature and benefits
EDTA Na4 40% Lsg	De-inking of waste paper	Control metal-ion catalyzed bleach degradation reaction
DTPA Na5 40%ig Lsg	De-inking of waste paper	Control metal-ion catalyzed bleach degradation reaction

Fillers and pigments

Product name	Chemical composition	Feature and benefits
ATH	Alumina Trihydrate	Extender for Titanium dioxide, flame retardent, smoke suppression
Cotiox KA-100	Titanium dioxide, untreated anatase	easily dispersable, imparts high brightness and neutral tone
Dawn R2595	Titanium dioxide, surface treated rutile	easily dispersable, imparts high brightness and neutral tone
Lime		
Lime milk		

Industrial chemicals

- Oxidation agents
- Basic chemicals
- Alkalis
- Solvents
- Solutions
- Acids
- Salts
- Pea starch
- Potato starch
- Corn starch
- Tapioca starch
- Wheat starch
- Ammonium sulphamate



Benefits at a glance

Numbers to impress

Benefit from a combination of a broad product range, first-class quality, extensive industry knowledge and unique service.

- The STOCKMEIER Group is, with 50 locations and sales offices in Germany, always near its customers.
- More than 1,800 employees work for the company's success and receive continuous training and education.
- More than 90 sales representatives are always on site.
- 30,000 satisfied customers are supplied by the STOCKMEIER Group.
- Over 26,000 products are distributed or produced by the STOCKMEIER Group.
- 400 tanks and a fleet of 150 trucks are on the road to ensure that your orders always arrive punctually and safely.

Take advantage of our wide range of products, our extensive know-how and our comprehensive sales network, because we offer solutions for the future.



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