



DELIVERY PROGRAMME

COATINGS, INKS,
ADHESIVES AND SEALANT
AND CONSTRUCTION

BCD CHEMIE IN BRIEF



Our services

- Industrial chemicals and specialties: extensive range
- Excellent branch network: short channels, fast availability
- Container and packaged goods storage: delivery capacity for all volumes
- Company laboratories and formulation capacity: quality, safety, competence
 - access to technical application laboratories for the construction, paint and coatings industries
- Chemicals-related services: BlendServ, formulations
- Logistics / hazardous goods logistics: reliability, delivery and supply guarantee
 - 143 logistics centres (storage, transport, and formulation capacities) available throughout Europe

ADHESION PROMOTER

| Product | Product description | Trade name | Manufacturer |
|---|---|--------------------|--------------|
| Silanes, including alkyl silanes, amino silanes, epoxy silanes, methacryl silanes, mercapto silanes | Products with two functionalities for establishing a connection between substrate (metal, mineral) and organic binder and for the hydrophobisation of surfaces. | Xiameter™, Dowsil™ | Dow |
| Aqueous silane solution | Prehydrolysed aminosilane to improve the adhesion of organic binders. | Dowsil™ | Dow |

BINDER AND RESINS

| Product | Product description | Trade name | Manufacturer |
|--------------------------|--|--------------------|--------------|
| Acrylic resins | Thermoplastic acrylic resins for hard and durable coatings, including metal coatings, plastic coatings and inks. | Degalan® | Röhm |
| Saturated polyesters | Polyester for 2K stove enamel for metal coatings and can coatings. As a 1K system for flexible packaging as a primer, topcoat, heat sealing lacquer. | Dynapol® | Evonik |
| Silicone resin emulsions | Silicone resin emulsion for silicone emulsion paints. | Dowsil™ | Dow |
| Pure acrylic emulsions | Pure acrylic emulsions for use in interior and exterior paints, plasters, wood coatings, wood stains and primers. | Osakryl®, Synexil® | Synthos |
| Styrene acrylic emulsion | Styrene acrylic emulsions for interior paints and plasters. | Osakryl®, Synexil® | Synthos |
| Polybutadiene | Highly flexible binder as co-binder for a wide variety of applications. | Polyvest® | Evonik |
| Potassium water glass | Potassium water glass as a binder in silicate coatings. | | |
| Reactive resins | Methacrylate based reactive resin, fast curing with peroxides for durable floorings, i.e., industrial floorings, floorings for the food industry, for parking decks and balconies. | DEGADUR® | Röhm |
| | Methacrylate based reactive resin (cold plastic) for fast curing and durable road markings. | DEGAROUTE® | Röhm |

CATALYSTS

| Product | Product description | Trade name | Manufacturer |
|----------|---|------------|--------------|
| Catalyst | Amine and tin catalysts for PU coatings to accelerate curing. | ADDOCAT® | Lanxess |

CLEANING AGENT

| Product | Product description | Trade name | Manufacturer |
|----------------|---|------------|--------------|
| Degreaser | KWL degreaser with good dissolving power for mineral, animal and vegetable oils and fats. With a mild odour. | WBC 16 | BCD Chemie |
| Paint stripper | Liquid, alkaline paint stripper for metals, especially for aluminium. Free of NMP, NEP and CHC. | WBC 590 | BCD Chemie |
| Hydro cleaners | Water-thinnable concentrate for cleaning closed circular pipelines and paint application equipment. VOC-free. | WBC 750 | BCD Chemie |
| PU solvent | VOC-reduced PU solvent with good dissolving power in many hardened polyurethane, epoxy and polyester resin systems. | WBC 31 | BCD Chemie |

CLEANING AGENT

| Product | Product description | Trade name | Manufacturer |
|------------------|--|------------|--------------|
| Silicone remover | Liquid cleaner with antistatic agent. Quickly and safely removes silicones, fats, oils and waxes. | WBC 235 | BCD Chemie |
| Special solvent | VOC-free special solvent with great dissolving power for most polyurethane, epoxy and polyester resin systems. | WBC 34 | BCD Chemie |

CORROSION PROTECTION

| Product | Product description | Trade name | Manufacturer |
|---|--|---------------|--------------|
| Aqueous dispersions of fumed silica and aluminium oxide | Improved corrosion protection by adding Cab-O-Sperse to coating systems. | Cab-O-Sperse® | Cabot |

DEFOAMERS

| Product | Product description | Trade name | Manufacturer |
|-------------------------------|--|--------------------|--------------|
| Mineral oil defoamer | Mineral oil defoamer for aqueous systems. Good deaerating properties. | LUCRAFOAM® PDT | Levaco |
| Silicone defoamers | Defoamer for aqueous systems. | Xiameter™, Dowsil™ | Dow |
| Silicone defoamers | Defoamer for aqueous systems. | LUCRAFOAM® S | Levaco |
| Modified polydimethylsiloxane | Modified silicone defoamer for aqueous systems. Shows no tendency to silicone spots. | LUCRAFOAM® S | Levaco |
| Polyether siloxanes | Defoamer for aqueous systems. | LUCRAFOAM® ST | Levaco |
| Acetylenediol | Defoamer for aqueous systems dissolved in various solvents or as a pure substance. | webetec™ SF Diol | BCD Chemie |

DISPERSANTS

| Product | Product description | Trade name | Manufacturer |
|--|---|------------|--------------|
| Polyacrylic acid | Polyacrylic acid solutions, acidic and neutralised (Sodium salt) for dispersing inorganic pigments. | Degapas® | Evonik |
| Fatty acid esters and copolymers with pigment affinic groups | Dispersants for inorganic, organic pigments and carbon black, for aqueous as well as solvent-based systems. | LUCRAMUL® | Levaco |
| Phosphonic acid ester | Special dispersants for ink jet inks and for carbon black. | | |
| Aryl ethyl phenyl polyglycol ether | | | |
| Rosin resin ester | | | |

HYDROPHOBING

| Product | Product description | Trade name | Manufacturer |
|--------------------------|--|--------------------|--------------|
| Silanes | Hydrophobisation of surfaces. | Xiameter™, Dowsil™ | Dow |
| Siloxane | Use in solvent-based systems. | | |
| Silicone resins | | | |
| Siloxane emulsions | Aqueous systems to improve the water repellency of binder films. | Xiameter™, Dowsil™ | Dow |
| Silicone resin emulsions | | | |

IMPREGNATION

| Product | Product description | Trade name | Manufacturer |
|-----------------------------|---|-----------------------|--------------|
| Potassium silicate | Water-dilutable systems for the impregnation of wood. | Xiameter™, Dowsil™ | Dow |
| Amino-functional siloxane | | | |
| Silane/siloxane emulsions | | | |
| Silicone resin/silane blend | Solvent-dilutable systems for the hydrophobisation of wood. | Xiameter™, Dowsil™ | Dow |

MATTING

| Product | Product description | Trade name | Manufacturer |
|---------|---|----------------|--------------|
| Aerogel | Highly porous silica as matting agent for hard to matt systems. | ENOVA® Aerogel | Cabot |

PIGMENTS

| Product | Product description | Trade name | Manufacturer |
|---------------------------|---|-----------------------------|----------------|
| Titanium dioxide | Rutile types produced by the sulphate process. | BLR | Lomon Billions |
| | | ATR | Annada |
| | Anatase types | Titanium Dioxide Anatase | Nanjing |
| Titanium dioxide slurries | Titanium dioxide slurries, Rutile types (sulphate- or chloride process) as well as Anatase types. | TIOX-SLURRY | |
| Pigment dispersions | Aqueous, surfactant-free pigment emulsions for ink-jet inks. | Cab-O-Jet™ | BCD Chemie |



PLASTICISERS

| Product | Product description | Trade name | Manufacturer |
|--------------------------|---|---------------------------|---------------------|
| Citric acid ester | Plasticiser based on citric acid with a high proportion of renewable raw materials (in some cases 100%). | Citrofol® | Jungbunzlauer |
| Alkane sulphonates | Very well compatible plasticiser with high hydrolytic stability. | Mesamoll® | Lanxess |
| Phosphates, phosphonates | Phosphates and phosphonates used as plasticisers and flame retardants. | Disflamoll®, Levagard® | Lanxess |
| Adipates | Universally usable adipic acid esters with C 8–C 10 chain length. | Plastomoll® | BASF |
| | | Adimoll® | Lanxess |
| Polymeric plasticisers | Polymer softeners with improved migration and extraction resistance compared to the monomeric plasticisers. | Ultramoll® | Lanxess |
| | | Palamoll® | BASF |
| Sebacates | Cold-resistant plasticiser. | Diocetylsebacat | Valtris Enterprises |
| Trimellitates | Temperature-resistant plasticisers. | C8-10 Trimellitate | |
| Benzoate | Dibenzoate plasticisers, for paints and emulsion paints. | K-Flex® | Emerald |
| Glycerin triacetate | Plasticiser for cellulose derivatives. | Triacetin | Lanxess |
| Phthalate | Standard plasticisers: dimethyl phthalate, diisononyl phthalate, 2-propylheptyl phthalate. | Palatinol® Vestinol® 9 | BASF Evonik |
| Cyclohexancarboxylate | Non-phthalate plasticiser, especially for applications of products that come into contact with humans. | Hexamoll® DINCH | BASF |

RHEOLOGY ADDITIVES

| Product | Product description | Trade name | Manufacturer |
|---|--|----------------|---------------|
| Cellulose ethers: hydroxyethyl methyl cellulose, hydroxypropyl methyl cellulose | Rheology additive based on renewable raw materials for aqueous systems with a pseudoplastic rheology profile. Extends the open time of emulsion wall paints. | Henkel | Henkel |
| Fumed silica | Hydrophilic and hydrophobic fumed silica with different surface as rheology additive, especially in industrial coatings | Cab-O-Sil® | Cabot |
| Xanthan | Rheology additive, enzymatically prepared for aqueous systems. | Xanthan Gum | Jungbunzlauer |
| Acrylic thickeners | HASE thickener for aqueous systems. | Synexil® | Synthos |
| Polyurethane thickeners | HEUR thickener with a rather Newtonian rheology profile. | LUCRACHEM® VIS | Levaco |

SCRATCH RESISTANCE

| Product | Product description | Trade name | Manufacturer |
|-----------------------|--|------------|--------------|
| Fumed aluminium oxide | Fumed aluminium oxide improves the scratch resistance of the coating, e.g. in aqueous acrylate coatings and solvent-based PU coatings. | SpectrAL® | Cabot |

SURFACE ADDITIVES

| Product | Product description | Trade name | Manufacturer |
|--|---|-----------------------|--------------|
| Acetylenediol | Wetting agent based on TMDD dissolved in various solvents or as a pure substance. | webetec™ SF Diol | BCD Chemie |
| Acetylene ethoxylate | Ethoxylated TMDD. | LUCRACHEM® T | Levaco |
| Silicone polyether | Various silicone polyethers to reduce the surface tension. | Xiameter™, Dowsil™ | Dow |
| Fatty alcohol ethoxylates Sodium sulfosuccinate | Low foaming surfactants improve penetration in wood substrates as well as in mineral substrates. Gives low static as well as low dynamic surface tension. | LUCRAMUL® | Levaco |

THERMAL INSULATION

| Product | Product description | Trade name | Manufacturer |
|---------|--|----------------|--------------|
| Aerogel | Highly porous silica with outstanding thermal insulation properties used in coatings for thermal insulation. | ENOVA® Aerogel | Cabot |

THINNERS

| Product | Product description | Trade name | Manufacturer |
|------------------|--|------------|--------------|
| Nitro thinner | Clear, colourless dilution with extremely high solubility for nitro lacquers and almost all natural and artificial resins. | WBC 217 | BCD Chemie |
| Paint thinner | Clear, colourless universal thinner for binders and various types of paints. Free of regenerated material and methanol. | WBC 202 | BCD Chemie |
| Low-VOC thinner | VOC-reduced rinse thinner with a VOC content of less than 20% for washing of coating pipes and equipment. | WBC 222 | BCD Chemie |
| VOC-free thinner | VOC-free rinse thinner for washing of coating pipes and equipment. | WBC 277 | BCD Chemie |
| Washing thinner | Clear, colourless washing thinner with high dissolving and cleaning power. Free of regenerated material and methanol. | WBC 209 | BCD Chemie |

SOLVENTS

BCD Chemie offers all the major solvents currently in use, from standard solvents to special solvents. These include among others:

- Aromatics
- Alcohols
- Glycol ethers
- Aliphatics
- Esters
- Amines
- White spirits
- Ketones

ACIDS AND ALKALIS

For acids and alkalis, BCD Chemie also offers a comprehensive product range with all important acids and alkalis in various concentrations and purities:

Hydrochloric acid, sulphuric acid, phosphoric acid, formic acid, acetic acid, tartaric acid, fumaric acid, amidosulfonic acid, etc., NaOH prills, NaOH solutions, KOH, amines, and much more.

SALTS AND SOLIDS

Salts of most acids and alkalis available and other solids.

ADHESION PROMOTER

| Product | Product description | Trade name | Manufacturer |
|---|---|--------------------|--------------|
| Silanes, including alkyl silanes, amino silanes, epoxy silanes, methacryl silanes, mercapto silanes | Products with two functionalities for establishing a connection between substrate (metal, mineral) and organic binder and for the hydrophobisation of surfaces. | Xiameter™, Dowsil™ | Dow |
| Aqueous silane solution | Prehydrolysed aminosilane to improve the adhesion of organic binders. | Dowsil™ | Dow |

BINDER AND RESINS

| Product | Product description | Trade name | Manufacturer |
|--------------------------|---|--------------------|--------------|
| Acrylic resins | Thermoplastic acrylate resins. | Degalan® | Röhm |
| Pure acrylic emulsions | Flexible pure acrylic emulsions for waterborne adhesives and acrylate sealants. | Osakryl®, Synexil® | Synthos |
| Styrene acrylic emulsion | Flexible styrene-acrylic emulsions for waterborne adhesives and acrylic sealants. | Osakryl®, Synexil® | Synthos |
| Vinyl acetate emulsions | Vinyl acetate emulsions with different particle sizes for wood and paper adhesives. | Synexil® | Synthos |
| Polybutadiene | Highly flexible binder as co-binder for a wide variety of applications. | Polyvest® | Evonik |

CATALYSTS

| Product | Product description | Trade name | Manufacturer |
|----------|--|------------|--------------|
| Catalyst | Amine and tin catalysts for PU adhesives to accelerate curing. | ADDOCAT® | Lanxess |

CLEANING AGENT

| Product | Product description | Trade name | Manufacturer |
|------------------|---|------------|--------------|
| Degreaser | KWL degreaser with good dissolving power for mineral, animal and vegetable oils and fats. With a mild odour. | WBC 16 | BCD Chemie |
| PU solvent | VOC-reduced PU solvent with good dissolving power in many hardened polyurethane, epoxy and polyester resin systems. | WBC 31 | BCD Chemie |
| Silicone remover | Liquid cleaner with antistatic agent. Quickly and safely removes silicones, fats, oils and waxes. | WBC 235 | BCD Chemie |
| Special solvent | VOC-free special solvent with great dissolving power for most polyurethane, epoxy and polyester resin systems. | WBC 34 | BCD Chemie |

DEFOAMERS

| Product | Product description | Trade name | Manufacturer |
|--------------------------------|--|--------------------|--------------|
| Silicone defoamers | Highly effective defoamer for aqueous systems. | Xiameter™, Dowsil™ | Dow |
| Organic and silicone defoamers | Defoamer for aqueous and organic systems. | BYK® | BYK-Chemie |
| Acetylenediol | Defoamer for aqueous systems dissolved in various solvents or as a pure substance. | webetec™ SF Diol | BCD Chemie |

DISPERSANTS

| Product | Product description | Trade name | Manufacturer |
|--|---|-------------------------------|--------------|
| Polyacrylic acid | Polyacrylic acid solutions, acidic and neutralised (Sodium salt) for dispersing inorganic pigments. | Degapas® | Evonik |
| Fatty acid esters and copolymers with pigment affinic groups | Dispersants for inorganic, organic pigments and carbon black, for aqueous as well as solvent-based systems. | BYK®, Disperbyk®, Anti-Terra® | BYK-Chemie |
| Phosphoric acid ester | | | |
| Synthetic polymer | | | |

FLAME RETARDANTS

| Product | Product description | Trade name | Manufacturer |
|------------|--|------------------------|--------------|
| Phosphates | Proven flame retardants especially for PU systems. | Disflamoll®, Levagard® | Lanxess |



HYDROPHOBING

| Product | Product description | Trade name | Manufacturer |
|--------------------------|--|------------|--------------|
| Silanes | Hydrophobisation of surfaces. | Xiameter™, | Dow |
| Siloxane | Use in solvent-based systems. | Dowsil™ | |
| Silicone resins | | | |
| Siloxane emulsions | Aqueous systems to improve the water repellency of binder films. | Xiameter™, | Dow |
| Silicone resin emulsions | | Dowsil™ | |

PIGMENTS

| Product | Product description | Trade name | Manufacturer |
|---------------------------|---|-----------------------------|----------------|
| Titanium dioxide | Rutile types produced by the sulphate process. | BLR | Lomon Billions |
| | | ATR | Annada |
| | Anatase types | Titanium Dioxide Anatase | Nanjing |
| Titanium dioxide slurries | Titanium dioxide slurries, Rutile types (sulphate- or chloride process) as well as Anatase types. | TIOX-SLURRY | BCD Chemie |

PLASTICISERS

| Product | Product description | Trade name | Manufacturer |
|--------------------------|---|---------------------------|---------------------|
| Citric acid ester | Plasticiser based on citric acid with a high proportion of renewable raw materials (in some cases 100%). | Citrofol® | Jungbunzlauer |
| Alkane sulphonates | Very well compatible plasticiser with high hydrolytic stability. | Mesamoll® | Lanxess |
| Phosphates, phosphonates | Phosphates and phosphonates used as plasticisers and flame retardants. | Disflamoll®, Levagard® | Lanxess |
| Adipates | Universally usable adipic acid esters with C 8–C 10 chain length. | Plastomoll® | BASF |
| | | Adimoll® | Lanxess |
| Polymeric plasticisers | Polymer softeners with improved migration and extraction resistance compared to the monomeric plasticisers. | Ultramoll® | Lanxess |
| | | Palamoll® | BASF |
| Sebacates | Cold-resistant plasticiser. | Diocetylsebacat | Valtris Enterprises |
| Trimellitates | Temperature-resistant plasticisers. | C8-10 Trimellitate | |
| Benzoate | Dibenzoate plasticisers, for paints and emulsion paints. | K-Flex® | Emerald |
| Glycerin triacetate | Plasticiser for cellulose derivatives. | Triacetin | Lanxess |
| Phthalate | Standard plasticisers: dimethyl phthalate, diisononyl phthalate, 2-propylheptyl phthalate. | Palatinol® Vestinol® 9 | BASF Evonik |
| Cyclohexancarboxylate | Non-phthalate plasticiser, especially for applications of products that come into contact with humans. | Hexamoll® DINCH | BASF |

RHEOLOGY ADDITIVES

| Product | Product description | Trade name | Manufacturer |
|---|--|--|---------------|
| Cellulose ethers: hydroxyethyl methyl cellulose, hydroxypropyl methyl cellulose | Rheology additive based on renewable raw materials for aqueous systems with a pseudoplastic rheology profile. | Henkel | Henkel |
| Fumed silica | Hydrophilic and hydrophobic fumed silica of various surface sizes as a rheology additive, especially for epoxy and PU adhesives. | Cab-O-Sil® | Cabot |
| Xanthan | Rheology additive, produced enzymatically for aqueous systems. | Xanthan Gum | Jungbunzlauer |
| Layered silicates | Natural and synthetic layered silicates for aqueous systems or organomodified for solvent-based systems. | Garamite®, Laponite®, Optigel®, Tixogel® | BYK-Chemie |
| PU thickener | Products with different rheological profiles, from pseudoplastic/thixotropic to Newtonian. | Rheobyk® | BYK-Chemie |
| Polyurea thickener | Thickener for both aqueous and organic systems of different polarity. | Rheobyk® | BYK-Chemie |

SURFACE ADDITIVES

| Product | Product description | Trade name | Manufacturer |
|---|--|-----------------------|--------------|
| Acetylenediol | Wetting agent based on TMDD dissolved in various solvents or as a pure substance. | webetec™ SF Diol | BCD Chemie |
| Silicone polyether | Various silicone polyethers to reduce the surface tension. | Xiameter™, Dowsil™ | Dow |
| Silicone and silicone-free wetting agents | Various products for reducing the surface tension of aqueous and solvent-based systems to improve wetting. | BYK®, DYNWET® | BYK-Chemie |

SOLVENTS

BCD Chemie offers all the major solvents currently in use, from standard solvents to special solvents. These include among others:

- Aromatics
- Alcohols
- Glycol ethers
- Aliphatics
- Esters
- Amines
- White spirits
- Ketones

ACIDS AND ALKALIS

For acids and alkalis, BCD Chemie also offers a comprehensive product range with all important acids and alkalis in various concentrations and purities:

Hydrochloric acid, sulphuric acid, phosphoric acid, formic acid, acetic acid, tartaric acid, fumaric acid, amidosulfonic acid, etc., NaOH prills, NaOH solutions, KOH, amines, and much more.

SALTS AND SOLIDS

Salts of most acids and alkalis available and other solids.

ADHESION PROMOTER

| Product | Product description | Trade name | Manufacturer |
|---|---|--------------------|--------------|
| Silanes, including alkyl silanes, amino silanes, epoxy silanes, methacryl silanes, mercapto silanes | Products with two functionalities for establishing a connection between substrate (metal, mineral) and organic binder and for the hydrophobisation of surfaces. | Xiameter™, Dowsil™ | Dow |
| Aqueous silane solution | Prehydrolysed aminosilane to improve the adhesion of organic binders. | Dowsil™ | Dow |

BINDERS AND RESINS

| Product | Product description | Trade name | Manufacturer |
|--------------------------|--|--------------------|--------------|
| Pure acrylic emulsions | Pure acrylate dispersions e.g. for use in plasters, sealing slurries and primers. | Osakryl®, Synexil® | Synthos |
| Styrene acrylic emulsion | Styrene acrylate emulsions for plasters, sealing slurries and primers. | Osakryl®, Synexil® | Synthos |
| Acrylic resins | Thermoplastic acrylic resins for the sealing of mineral substrates. | Degalan® | Röhm |
| Polybutadiene | Highly flexible binder as co-binder for a wide variety of applications. | Polyvest® | Evonik |
| Reactive resins | Methacrylate based reactive resin, fast curing with peroxides for durable floorings, i.e., industrial floorings, floorings for the food industry, for parking decks and balconies. | DEGADUR® | Röhm |
| | Methacrylate based reactive resin (cold plastic) for fast curing and durable road markings. | DEGAROUTE® | Röhm |

CLEANING AGENT

| Product | Product description | Trade name | Manufacturer |
|------------------|---|------------|--------------|
| Degreaser | KWL degreaser with good dissolving power for mineral, animal and vegetable oils and fats. With a mild odour. | WBC 16 | BCD Chemie |
| PU solvent | VOC-reduced PU solvent with good dissolving power in many hardened polyurethane, epoxy and polyester resin systems. | WBC 31 | BCD Chemie |
| Silicone remover | Liquid cleaner with antistatic agent. Quickly and safely removes silicones, fats, oils and waxes. | WBC 235 | BCD Chemie |
| Special solvent | VOC-free special solvent with great dissolving power for most polyurethane, epoxy and polyester resin systems. | WBC 34 | BCD Chemie |

DEFOAMERS

| Product | Product description | Trade name | Manufacturer |
|--------------------|--|--------------------|--------------|
| Silicone defoamers | Defoamer for aqueous systems. | Xiameter™, Dowsil™ | Dow |
| Powder defoamer | Defoamer for use in dry mortars, plasters, tile adhesives and levelling compounds. | Dowsil™ | Dow |
| Acetylenediol | Defoamer for aqueous systems dissolved in various solvents or as a pure substance. | webetec™ SF Diol | BCD Chemie |

DISPERSANTS

| Product | Product description | Trade name | Manufacturer |
|------------------|---|------------|--------------|
| Polyacrylic acid | Polyacrylic acid solutions, acidic and neutralised (Sodium salt) for dispersing inorganic pigments. | Degapas® | Evonik |

HYDROPHOBING

| Product | Product description | Trade name | Manufacturer |
|--|---|-----------------------|--------------|
| Silanes | Hydrophobisation of surfaces. Use in solvent-based systems. | Xiameter™, Dowsil™ | Dow |
| Siloxane | | | |
| Silicone resins | | | |
| Siloxane emulsions Silicone resin emulsions | Aqueous systems to improve the water repellency of binder films. | Xiameter™, Dowsil™ | Dow |
| Silane creams | Silicone-based creams for the post-treatment of mineral surfaces. | webco™ | BCD Chemie |

PIGMENTS

| Product | Product description | Trade name | Manufacturer |
|---------------------------|---|-----------------------------|----------------|
| Titanium dioxide | Rutile types produced by the sulphate process. | BLR | Lomon Billions |
| | | ATR | Annada |
| | Anatase types | Titanium Dioxide Anatase | Nanjing |
| Titanium dioxide slurries | Titanium dioxide slurries, Rutile types (sulphate- or chloride process) as well as Anatase types. | TIOX-SLURRY | BCD Chemie |

RETARDER

| Product | Product description | Trade name | Manufacturer |
|------------------------------|--|------------|---------------|
| Citric acid Tartaric acid | Fruit acids to adjust the retardation of cementitious and gypsum based systems. | | Jungbunzlauer |
| Gluconates | | | |
| | Various gluconate systems for adjusting the retardation in gypsum based systems. | GLUCOSET | Jungbunzlauer |

RHEOLOGY ADDITIVES

| Product | Product description | Trade name | Manufacturer |
|---|--|-------------|---------------|
| Cellulose ethers: hydroxyethyl methyl cellulose, hydroxypropyl methyl cellulose | Modified and unmodified cellulose ethers with high water retention capacity, for the adjustment of the rheological profile, stability and the extension of the open time in cementitious and gypsum based systems. | Henkel | Henkel |
| Xanthan | Rheology additive, enzymatically prepared for aqueous systems. | Xanthan Gum | Jungbunzlauer |
| Fumed silica | Hydrophilic and hydrophobic fumed silica of various surface sizes. | Cab-O-Sil® | Cabot |

SURFACE ADDITIVES

| Product | Product description | Trade name | Manufacturer |
|--------------------|---|-----------------------|--------------|
| Acetylenediol | Wetting agent based on TMDD dissolved in various solvents or as a pure substance. | webetec™ SF Diol | BCD Chemie |
| Silicone polyether | Various silicone polyethers to reduce the surface tension. | Xiameter™, Dowsil™ | Dow |

THERMAL INSULATION

| Product | Product description | Trade name | Manufacturer |
|---------|---|----------------|--------------|
| Aerogel | Highly porous silica with outstanding thermal insulation properties for insulating plaster. | ENOVA® Aerogel | Cabot |

WATER RETENTION

| Product | Product description | Trade name | Manufacturer |
|---|--|------------|---------------|
| Cellulose ethers: hydroxyethyl methyl cellulose, hydroxypropyl methyl cellulose | Modified and unmodified cellulose ethers with high water retention capacity, for the adjustment of the rheological profile, stability and the extension of the open time in cementitious and gypsum based systems. | Henkel | Henkel |
| Starch ethers | Hydroxypropylated starch for improving water retention in cementitious and gypsum-based systems. | EMSET | Emsland Group |

SOLVENTS

BCD Chemie offers all the major solvents currently in use, from standard solvents to special solvents. These include among others:

- Aromatics
- Alcohols
- Glycol ethers
- Aliphatics
- Esters
- Amines
- White spirits
- Ketones

ACIDS AND ALKALIS

For acids and alkalis, BCD Chemie also offers a comprehensive product range with all important acids and alkalis in various concentrations and purities:

Hydrochloric acid, sulphuric acid, phosphoric acid, formic acid, acetic acid, tartaric acid, fumaric acid, amidosulfonic acid, etc., NaOH prills, NaOH solutions, KOH, amines, and much more.

SALTS AND SOLIDS

Salts of most acids and alkalis available and other solids.

BLENDSERV



Services include chemical raw material mixtures, intermediates and “ready to use” mixtures.

Plant concepts

- “solid - liquid” dispersions (slurry) and solutions
- “liquid - liquid” emulsions and solutions:

Technical data

| | |
|---------------------|--|
| Agitator volumes: | pilot plant 500 kg up to the production of 24 to batches |
| Agitator equipment: | dissolver disc, jetstream mixer, dispermix, Conti TDS Inline disperser |
| Thermodynamics: | cooling/heating 15-90 degrees Celsius |
| Engine power: | 18 to 90 KW |
| Viscosity: | up to 10,000 mPa·s |

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