

BRB Siloen® Paint Additives Range (cont.)

Product Name/Description	Active	Application/Features/Suitable Thinners	Binders Compatibility/Typical Dosage & Point of addition
BRB Siloen® SMA 283 Polyether modified siloxane	100%	<ul style="list-style-type: none"> Provides slip and smoothness *Helps flow, levelling and anti-crater *Recoatable Dilutable with Alcohols, Glycol ethers	Solvent-borne, Waterborne and UV/EB coatings 0,05 to 1,0% let-down stage or post addition
BRB Siloen® SMA 284 Ultrahigh MW Polysiloxane gum dispersion	80% in water	<ul style="list-style-type: none"> Waterborne and Solvent-borne coatings *Imparts mar resistance, slip and release *Reduces CoF Dilutable with Water, Polar Solvent	Acrylic, Alkyd, Epoxy, Polyester, Polyurethane, Vinyl 0,05 to 3,0% post-addition or let-down stage. High viscosity product: pre-dilution achieves to get homogeneous dispersion into the coating
BRB Siloen® SMA 285 High MW Silicone Urethane Resin Emulsion	30% in water	<ul style="list-style-type: none"> Waterborne Coating *Improve water repellency and soil resistance *Provide slip, mar as well as smoothness Dilutable with Water	Waterborne coatings, fabric finishing and hard surface cleaners 0,5 to 5,0% post addition or let-down stage
BRB Siloen® SMA 286 Crosslinkable Silicone Acrylate Pre-polymer	100%	<ul style="list-style-type: none"> Specially designed for UV/EB system Improves slip, scratch, and mar resistance as well as release properties *Reduce CoF *Permanent binding into the matrix preventing migration from the coating *Also suitable for polymer modification Dilutable with Aromatic and Aliphatic solvents and dispersible in Water	CoF Reduction: 0,2 to 1,0% Release: 1,5 to 3,0% post addition or let-down stage
BRB Siloen® DA 290 Fluorosilicone solvent dispersion	0.75% in DIBK (3)	<ul style="list-style-type: none"> Defoamers for solventless and Solvent-borne coating *Highly effective at low addition Dilutable with Ketones	Recommended for PU or Epoxy based plastic systems 0,1 to 0,7 % let-down stage or post addition
BRB Siloen® DA 293 Silicone Antifoam Emulsion	10% in water	<ul style="list-style-type: none"> Silicone defoamer for aqueous coating and adhesives Suitable for high PVC systems (PVC 60 to 85) *Cost-effective alternative to mineral defoamers 	0,1% up to 0,6% at whatever stage even if preferably to split the selected amount between grind and let down.
BRB Siloen® TA 394 Ultrahigh MW Polysiloxane dispersion	10% in xylene	<ul style="list-style-type: none"> Hammertone finish Designed for Solvent-borne coating Dilutable with Aromatic and Aliphatic solvents	0,05 to 0,8% let-down stage
BRB Siloen® PDA 222 Alkyl modified siloxane	100%	<ul style="list-style-type: none"> Dispersant processing aid alkylsiloxane for surface treatment of inorganics fillers and any pigments used in thermoplastic formulations and Solvent-borne paint and inks *Allows higher pigment content *Improved water repellency and weather ability *Enhanced colour strength *Higher heat resistance vs organic dispersant, reducing yellowing in high-temperature application *Improved dispersion stability, preventing flooding and floating 	TiO2 pigment dispersant 0,5 to 4,0% depending on pigment quality (higher quality pigment requires lower dosage) Grind stage

(1) Diethylene glycol monoethyl ether (2) Di-Propylene Glycol Methyleneether (3) Di-Isobutylketone

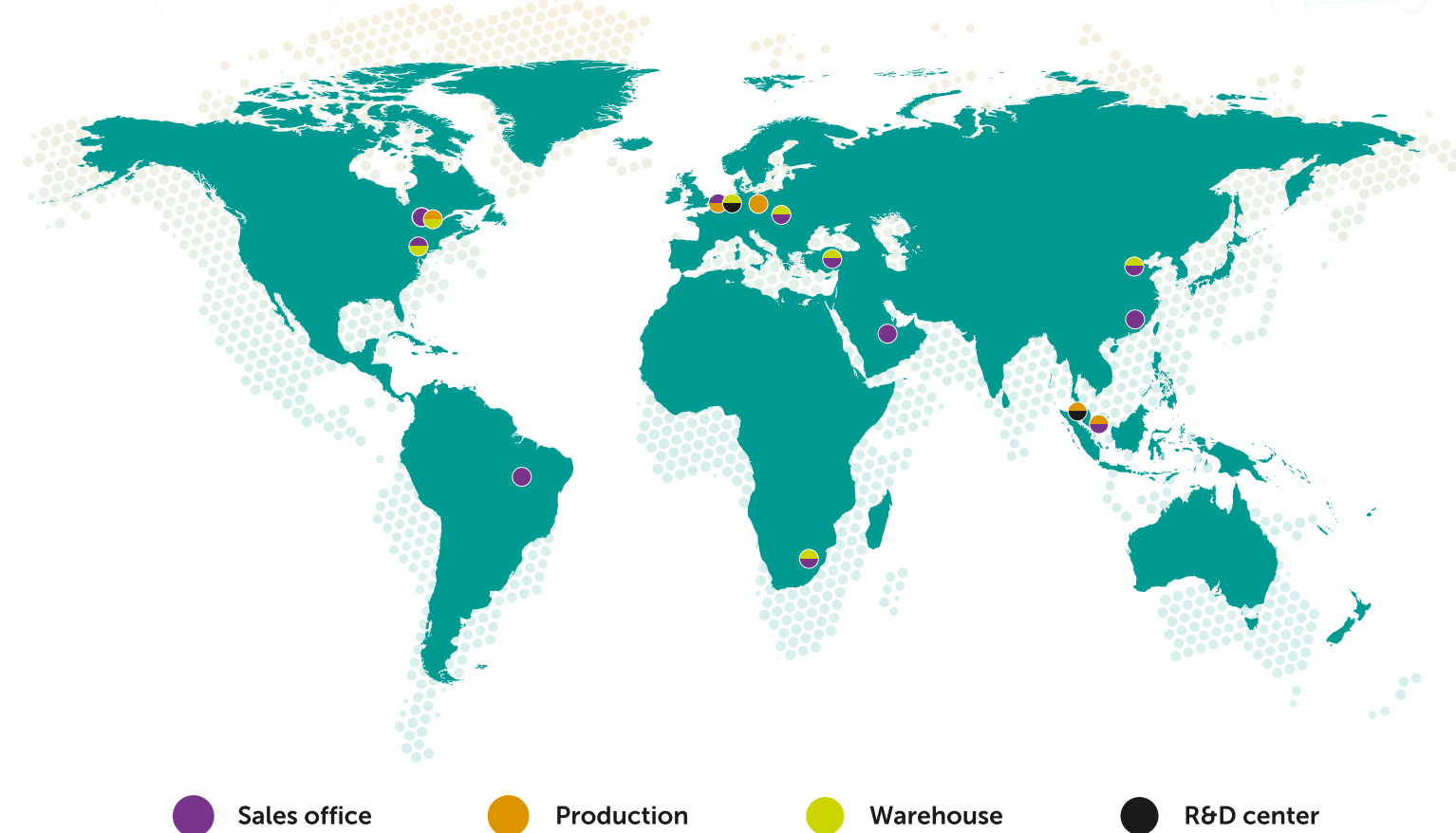


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The Powerful Shield

Paint & Coatings and Construction

BRB Siloen® Range for Masonry Protection and Decorative Paints

Product Name/Type	Active	Application/Main Features
BRB Siloen® 5022 WR WB Emulsion	50%	<ul style="list-style-type: none"> • Water repellent for porous mineral substrates <ul style="list-style-type: none"> ●●●● Sandstone, Sandstone/Limestone, Cement, Terracotta ○●●● Concrete, Reinforced concrete ○●●● Limestone --- Marble • In-plant water-repellent impregnation of <ul style="list-style-type: none"> ●●●● Fibre-reinforced cement, Aerated concrete, Mineral fibre, Lightweight aggregates, Fired clay/Terracotta ○●●● Sand lime bricks • Water-repellent primer for subsequent coating of decorative topcoats <p><i>*Alkali stable *High penetration for long lasting protection *Strong and fast beading *Stable when diluted with tap water</i></p>
BRB Siloen® WRC4 Thixotropic Cream	40%	<ul style="list-style-type: none"> • Water repellent for mineral porous substrates <ul style="list-style-type: none"> ●●●● Sandstone, Sandstone/Limestone, Cement, Terracotta ○●●● Concrete • Water repellent for damp-proof chemical barrier <p><i>*Alkali stable *Good beading *Easy diffuse into the wall, do not need high humidity vs higher solids creams (damp proof)</i></p>
BRB Siloen® MXP5 Fine Powder	50%	<ul style="list-style-type: none"> • High-efficiency water-repellent powder additive for cement-based mortars and renders <p><i>*Alkali stable *Good compatibility with other additives *No impact on rheology *Non toxic</i></p>
BRB Siloen® SR 349 Water Solution	54%	<ul style="list-style-type: none"> • Potassium Methyl Silicate solution to impart water repellence to gypsum and gypsum fibreboard, aerated concrete, perlite, vermiculite, in-plant impregnation of terracotta tiles, bricks, flower pots • Wall injection (damp-proof chemical barriers)
BRB Siloen® SR 608 Silane/Siloxane concentrate	100%	<ul style="list-style-type: none"> • Solvent dilutable silane/siloxane blend masonry water repellent <p><i>*Alkali stable *High penetration for long-lasting protection *Good water repellency *Easily dilutable *Very effective on highly porous carbonatic material (limestone)</i></p>
BRB Siloen® SR 619 Silane/Siloxane concentrate	100%	<ul style="list-style-type: none"> • Solvent dilutable silane/siloxane blend masonry water repellent • Tin catalyst-free <p><i>*Alkali stable *High penetration for long lasting protection *Good water repellency *Easily dilutable *Highly effective on concrete and sandstone.</i></p>
BRB Siloen® 694 Alkyl Silane	100%	<ul style="list-style-type: none"> • Water-repellent impregnating formulation for building materials like cement and concrete <p><i>*High penetration *No impact on surface aspect *Alkali resistant</i></p>
BRB Siloen® 882 Alkyl Silane Olygomer	>98%	<ul style="list-style-type: none"> • Integral water repellent for Cement-based construction material (admixture for fibre-reinforced cement boards, autoclaved lightweight concrete) <p><i>*Reduce Capillarity water absorption *Added as supplied from 0,1 to 0,5% by weight vs total solid to water-based cementitious slurries (requires high shear mixing units)</i></p>
BRB Siloen® 696 Alkyl Silane emulsion	45%	<ul style="list-style-type: none"> • Water-repellent liquid admixture for non-load bearing concrete based products • Water-repellent impregnating and priming of alkaline mineral surfaces.
BRB Siloen® SR 403 Reactive PDMS Emulsion	60%	<ul style="list-style-type: none"> • Water-repellent additive for silicone-based paints, plaster, and renders • Admixture for cement-based mortars with improved water resistance and beading

●●●● Ideal ○●●● Good ○●● Possible --- Not suitable

BRB Siloen® Range for Masonry Protection and Decorative Paints (cont.)

Product Name/Type	Active	Application/Main Features
BRB Siloen® HPA 406 Modified Siloxane Resin Emulsion	55%	<ul style="list-style-type: none"> • High-performance water-repellent beading effect additive with minimal dirt pick-up suitable for silicone, silicate, water-based dispersions and masonry paints • Water repellent primer for subsequent coating of decorative topcoats

BRB Siloen® Resins Range for Heat Resistant Paints

Product Name/Type	Active	Application/Main Features
BRB Siloen® SR 379 Methyl Silicone Resin in xylene-butanol	50%	<ul style="list-style-type: none"> • Binder for heat-resistant paints • Binder for anti-corrosion paints <p><i>*Fast tack-free drying time in a bundle with good film hardness *Higher hardness after baking *Suitable for high temperature resistant paint (up to 600°C with aluminium pigment)</i></p>
BRB Siloen® SR 379N Methyl Silicone Resin in xylene	50%	<ul style="list-style-type: none"> • Binder for heat-resistant paints • Binder for anti-corrosion paints <p><i>*Slower air-drying rate and lower air-drying hardness vs SR 379 *High hardness after baking *Suitable for high-temperature resistant paint (up to 600°C with aluminium pigment) *Good corrosion protection when combined with zinc-rich primers *Low viscosity</i></p>
BRB Siloen® SR 383 Methyl Phenyl Silicone Resin in xylene	50%	<ul style="list-style-type: none"> • Binder for heat-resistant paints • Binder for anti-corrosion paints <p><i>*Medium hardness methyl phenyl silicone resin *Tack-free drying at room temperature *Acceptable hardness before baking *Suitable for high-temperature resistant paint (up to 650°C with aluminium pigment) *Better flexibility compared to Methyl Silicone Resin paints *Good adhesion to metal substrate *Compatible with organic binder *Need to be baked at 250°C to achieve maximum performance, including resistance to chemicals</i></p>
BRB Siloen® SR 313 Methyl Phenyl Silicone Resin in xylene	80%	<ul style="list-style-type: none"> • Binder for heat-resistant paints • Binder for anti-corrosion paints <p><i>*Similar properties as BRB Siloen® SR 383 but recommended to formulate high solids low VOC paint</i></p>
BRB Siloen® SR 833 Alkoxy Methyl Silicone Oligomer	100%	<ul style="list-style-type: none"> • Binder for room temperature moisture curing heat resistant paints <p><i>*Solvent free *Room temperature curing by reacting with atmospheric moisture (requires a catalyst/curing agent) *High hardness at ambient and hot temperature (do not soften at high temperature) *Also suitable for very high-temperature application (up to 650°C)</i></p>
BRB Siloen® SR 385 FD Methyl Phenyl Silicone Resin in xylene	50%	<ul style="list-style-type: none"> • Binder for non-stick coatings material in contact with foodstuff; non-sticking bakery pans for bread, rusks, biscuits, cakes, etc. <p><i>*Perfect balance between hardness (medium) and flexibility *Good release performances *Suitable in compliance with BFR recommendation XV Silicones and FDA Regulation 21 CFR 175.300 chapter (b) (3) (xxviii)</i></p>



BRB Siloen® Paint Additives Range

Product Name/Description	Active	Application/Features/Suitable Thinners	Binders Compatibility/Typical Dosage & Point of addition
BRB Siloen® WA 261 Modified Trisiloxane	100%	<ul style="list-style-type: none"> • Excellent surface tension depressant <p><i>*Helps flow and levelling *No or very low foam stabilisation</i></p> <p>Thinnable with Isopropyl Alcohol, Acetone, Water</p>	<p>Waterborne, Solvent-borne and UV/EB coatings</p> <p>0,1 to 0,5% let-down stage or post addition</p>
BRB Siloen® WA 263 Silicone Polyether Copolymer solution	50% in DGME (1)	<ul style="list-style-type: none"> • Waterborne coating <p><i>*Reduce surface tension, improving wetting and levelling *pH stable (4 to 10) *Do not reduce slip *Recoatable</i></p> <p>Dilutable with Water</p>	<p>Waterborne Acrylate, Alkyd, Polyurethane, Polyester</p> <p>0,2 to 2,0% post-addition or let-down stage</p>
BRB Siloen® WA 264 Silicone Polyether Copolymer	100%	<ul style="list-style-type: none"> • Waterborne coating that does not contain co-solvent <p><i>*Improves wetting and levelling *pH stable (4 to 10) *Do not reduce slip *Recoatable</i></p> <p>Dilutable with Water</p>	<p>Waterborne Acrylate, Alkyd, Polyurethane, Polyester</p> <p>0,05 to 1,0% post-addition or let-down stage</p>
BRB Siloen® WA 265 Low Viscosity Silicone Polyether	100%	<ul style="list-style-type: none"> • Improve wetting on difficult substrates <p><i>*Water-based flexo-inks for PE, PP and PET film *Very effective in neutral pH (6 to 8)</i></p> <p>Thinnable with Isopropyl Alcohol, Acetone, Water</p>	<p>Waterborne Acrylate, Alkyd, Polyurethane, Polyester</p> <p>0,2 to 1% let-down stage or post addition</p>
BRB Siloen® LA 270 Silicone Polyether Copolymer solvent solution	10% in xylene	<ul style="list-style-type: none"> • General purpose levelling agent for Solvent-borne coatings <p><i>*Improves levelling *Strong anti-crater effect *Medium slip *Recoatable</i></p>	<p>Solvent-borne Acrylic, Alkyd, Amide, Epoxy, Nitrocellulose, Polyester, Polyurethane, Vinyl</p> <p>0,1 to 0,5% let-down stage or post addition</p>
BRB Siloen® LA 271 Glycol Modified Siloxane	100%	<ul style="list-style-type: none"> • For solvent, EB/UV and waterborne coatings <p><i>*Improves levelling, slip, mar resistance, and anti-blocking *Enhances gloss</i></p> <p>Dilutable with Isopropyl Alcohol, Acetone, White Spirit and dispersible in water</p>	<p>Acrylic, Epoxy, Vinyl, Alkyd, Amide, Polyester, Polyurethane, Nitrocellulose</p> <p>0,05 to 1% let-down stage or post-addition.</p> <p>Complies to EU Directive 10/2011 Annex I, table 1, Ref. no: 80640 BFR XV. Silicones: part I</p>
BRB Siloen® LA 274 Alkyl Aryl Modified Siloxane	100%	<ul style="list-style-type: none"> • For solvent-borne, solventless and powder coatings <p><i>*Improves levelling, de-aeration, mar resistance, anti-blocking *Enhances gloss *Recoatble, doesn't affect the adhesion of treated surface</i></p>	<p>Acrylic, Epoxy, Alkyd, Polyester, Polyurethane, Nitrocellulose, Vinyl.</p> <p>0,05 to 0,5% w. on total formula post addition either let down</p>
BRB Siloen® SMA 280 Polyether modified siloxane solution	50% in DPGME (2)	<ul style="list-style-type: none"> • Provides strong slip, smoothness and scratch resistance <p><i>*pH stable (4 to 10) *Defoaming properties</i></p> <p>Dilutable with Alcohols, Glycol ethers and dispersible in water</p>	<p>Waterborne, Solvent-borne, radiation-curable printing inks and overprint varnishes</p> <p>0,1 to 1% let-down stage</p>
BRB Siloen® SMA 281 Ultra-high MW Polysiloxane dispersion	65% in water	<ul style="list-style-type: none"> • Waterborne and Solvent-borne coatings <p><i>*Imparts mar resistance, slip and release *Reduces CoF</i></p> <p>Dilutable with Water, Polar Solvent</p>	<p>Waterborne wood coatings, printing inks, leather top coating (including solvent-based)</p> <p>0,05 to 3,0% post-addition or let-down stage</p>