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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® WRE 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 <i>*Alkali stable *High penetration for long lasting protection *Good beading *Stable when diluted with tap water</i>
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 <i>*Alkali stable *Good beading *Easy diffuse into the wall, do not need high humidity vs higher solids creams (damp proof)</i>
BRB Siloen® MXP5 Fine Powder	50%	<ul style="list-style-type: none"> High efficiency water repellent powder additive for cement-based mortars and renders <i>*Alkali stable *Good compatibility with other additives *No impact on rheology *Non toxic</i>
BRB Siloen® SR 349 Water Solution	54%	<ul style="list-style-type: none"> Potassium Methyl Siliconate 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 <i>*Alkali stable *High penetration for long lasting protection *Good water repellency *Easily dilutable *Very effective on highly porous carbonatic material (limestone)</i>
BRB Siloen® SR 619 Silane/Siloxane concentrate	100%	<ul style="list-style-type: none"> Solvent dilutable silane/siloxane blend masonry water repellent <i>*Alkali stable *High penetration for long lasting protection *Good water repellency *Easily dilutable *Highly effective on concrete, sandstone.</i>
BRB Siloen® 694 Alkyl Silane	100%	<ul style="list-style-type: none"> Water repellent impregnating formulation for building materials like cement and concrete <i>*High penetration *No impact on surface aspect *Alkali resistant</i>
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
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

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

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 bundle with good film hardness *Higher 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 *Medium viscosity</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 prior to 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>As binder:- *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>*Very good balance between hardness (medium) and flexibility *Good release performances *Can be used 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 <i>*Helps flow and levelling *No or very low foam stabilisation</i> Thinnable with Isopropyl Alcohol, Acetone, Water 	Waterborne, Solvent-borne and UV/EB coatings 0,1 to 0,5% let-down stage or post addition
BRB Siloen® WA 263 Silicone Polyether Copolymer solution	50% in DPGME (1)	<ul style="list-style-type: none"> Waterborne coating <i>*Reduce surface tension, improving wetting and levelling *pH stable (4 to 10) *Do not reduce slip *Recoatble</i> Dilutable with Water 	Waterborne Acrylate, Alkyd, Polyurethane, Polyester 0,2 to 2,0% post addition or let-down stage
BRB Siloen® WA 264 Silicone Polyether Copolymer	100%	<ul style="list-style-type: none"> Waterborne coating that do not contain co-solvent <i>*Improves wetting and levelling *pH stable (4 to 10) *Do not reduce slip *Recoatble</i> Dilutable with Water 	Waterborne Acrylate, Alkyd, Polyurethane, Polyester 0,05 to 1,0% post addition or let-down stage
BRB Siloen® WA 265 Low Viscosity Silicone Polyether	100%	<ul style="list-style-type: none"> Improve wetting on difficult substrates <i>*Water based flexo- inks for PE, PP and PET film *Very effective in neutral pH (6 to 8)</i> Thinnable with Isopropyl Alcohol, Acetone, Water 	Waterborne Acrylate, Alkyd, Polyurethane, Polyester 0,2 to 1% let-down stage or post addition
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 <i>*Improves levelling *Strong anti-crater effect *Medium slip *Recoatble</i> 	Solvent-borne Acrylic, Alkyd, Amide, Epoxy, Nitrocellulose, Polyester, Polyurethane, Vinyl 0,1 to 0,5% let-down stage or post addition
BRB Siloen® LA 271 Glycol Modified Siloxane	100%	<ul style="list-style-type: none"> For solvent, EB/UV and waterborne coatings <i>*Improves levelling, slip, mar resistance, anti-blocking *Enhances gloss</i> Dilutable with Isopropyl Alcohol, Acetone, White Spirit and dispersible in water 	Acrylic, Epoxy, Vinyl, Alkyd, Amide, Polyester, Polyurethane, Nitrocellulose 0,05 to 1% let-down stage or post addition. Complies to EU Directive 10/2011 Annex I, table 1, Ref. no: 80640 BfR XV. Silicones: part I
BRB Siloen® LA 274 Alkyl Aryl Modified Siloxane	100%	<ul style="list-style-type: none"> For solvent-borne, solventless and powder coatings <i>*Improves levelling, de-aeration, mar resistance, anti-blocking *Enhances gloss *Recoatble, doesn't affect adhesion of treated surface</i> 	Acrylic, Epoxy, Alkyd, Polyester, Polyurethane, Nitrocellulose, Vinyl. 0.05 to 0,5% w. on total formula post addition either let down
BRB Siloen® SMA 280 Polyether modified siloxane solution	50% in DPGME (1)	<ul style="list-style-type: none"> Provides strong slip, smoothness and scratch resistance <i>*pH stable (4 to 10) *Defoaming properties</i> Dilutable with Alcohols, Glycol ethers and dispersible in water 	Waterborne, Solvent-borne, radiation curable printing inks and overprint varnishes 0,1 to 1% let-down stage
BRB Siloen® SMA 281 Ultrahigh MW Polysiloxane dispersion	65% in water	<ul style="list-style-type: none"> Waterborne and Solvent-borne coatings <i>*Imparts mar resistance, slip and release *Reduces CoF</i> Dilutable with Water, Polar Solvent 	Waterborne wood coatings, printing inks, leather top coating (including solvent based) 0,05 to 3,0% post addition or let-down stage

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 <i>*Helps flow, levelling and anti-crater</i> <i>*Recoatible</i> 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 <i>*Imparts mar resistance, slip and release</i> <i>*Reduces CoF</i> 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 is recommended 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 <i>*Improve water repellency and soil resistance</i> <i>*Provide slip, mar as well as smoothness</i> 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, mar resistance as well as release properties <i>*Reduce CoF</i> <i>*Permanent binding into the matrix preventing migration from the coating</i> <i>*Also suitable for polymer modification</i> 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 (2)	<ul style="list-style-type: none"> Defoamers for solventless and Solvent-borne coating <i>*Highly effective at low addition</i> 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 system (PVC 60 to 85) <i>*Cost effective alternative to mineral defoamers</i> 	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 <i>*Allows higher pigment content</i> <i>*Improved water repellency and weatherability</i> <i>*Enhanced color strength</i> <i>*Higher heat resistance vs organic dispersant, reducing yellowing in high temperature application</i> <i>*Improved dispersion stability preventing flooding and floating</i> 	TiO₂ pigment dispersant 0,5 to 4,0% depending on pigment quality (higher quality pigment requires lower dosage) Grind stage

(1) Di-Propylene Glycol Methylether

(2) Di-Isobutylketone



BRB International BV

PO Box 3552
NL-6017 ZH Thorn
Office: Europastraat 5
NL-6014 CD Ittervoort
The Netherlands

P +31 475 560 300
info@brbbv.com
www.brb-international.com



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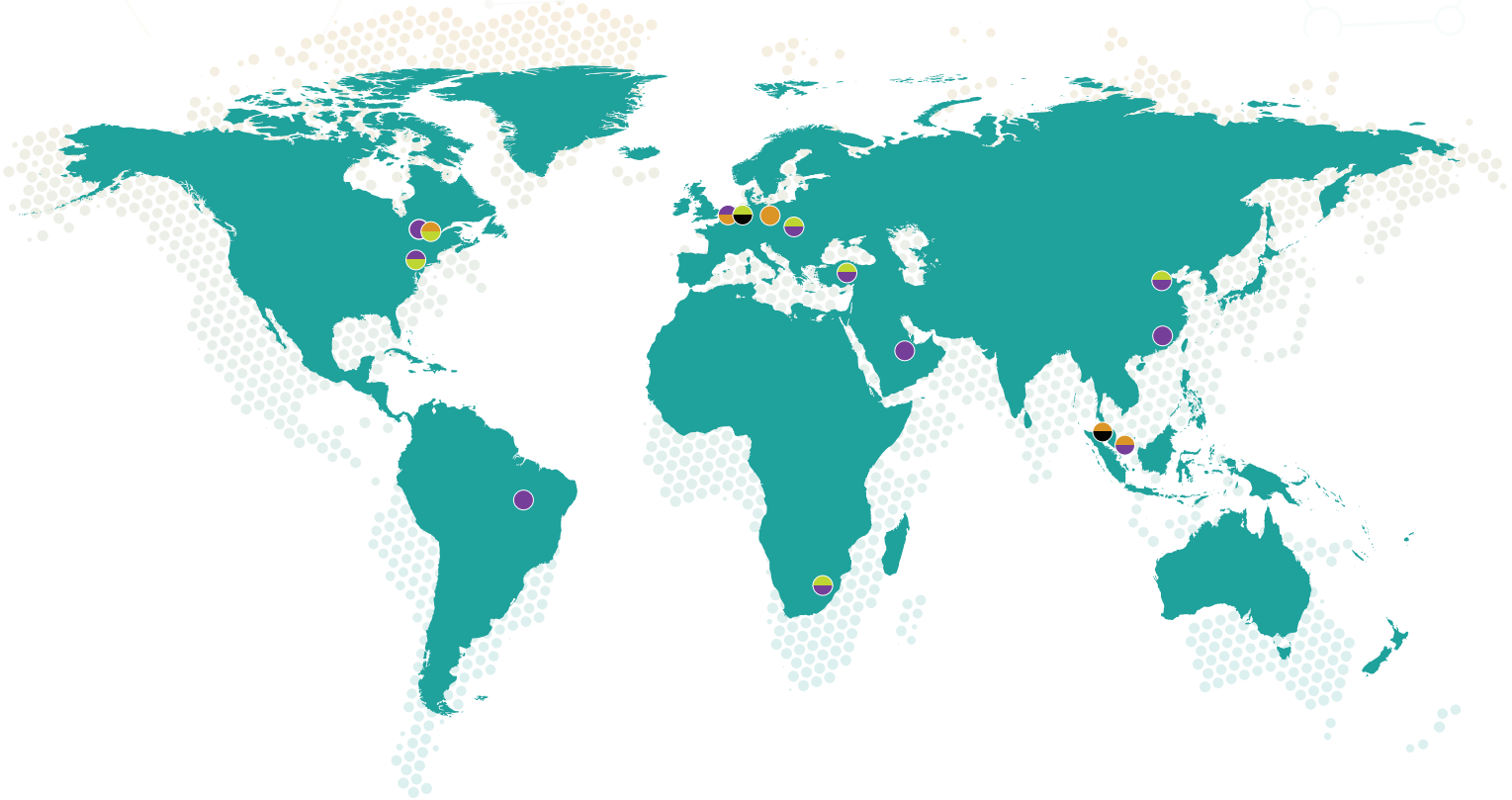
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