

## 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"> <li>Water repellent for porous mineral substrates                             <ul style="list-style-type: none"> <li>●●●● Sandstone, Sandstone/Limestone, Cement, Terracotta</li> <li>●●● Concrete, Reinforced concrete</li> <li>●● Limestone</li> <li>- Marble</li> </ul> </li> <li>In-plant water repellent impregnation of                             <ul style="list-style-type: none"> <li>●●●● Fiber-reinforced cement, Aerated concrete, Mineral fiber, Lightweight aggregates, Fired clay/Terracotta</li> <li>●● Sand lime bricks</li> </ul> </li> <li>Water repellent primer for subsequent coating of decorative top coats                             <ul style="list-style-type: none"> <li>↗ Alkali stable ↗ High penetration for long lasting protection ↗ Good beading ↗ Stable when diluted with tap water</li> </ul> </li> </ul>
BRB Siloen® WRC4 Thixotropic Cream	40%	<ul style="list-style-type: none"> <li>Water repellent for mineral porous substrates                             <ul style="list-style-type: none"> <li>●●●● Sandstone, Sandstone/Limestone, Cement, Terracotta</li> <li>●●● Concrete</li> </ul> </li> <li>Water repellent for damp proof chemical barrier                             <ul style="list-style-type: none"> <li>↗ Alkali stable ↗ Good beading ↗ Easy diffuse into the wall, do not need high humidity vs higher solids creams (damp proof)</li> </ul> </li> </ul>
BRB Siloen® MXP5 Fine Powder	50%	<ul style="list-style-type: none"> <li>High efficiency water repellent powder additive for cement-based mortars and renders                             <ul style="list-style-type: none"> <li>↗ Alkali stable ↗ Good compatibility with other additives ↗ Disperse easily in water ↗ No impact on rheology ↗ Non toxic</li> </ul> </li> </ul>
BRB Siloen® SR 349 Water Solution	54%	<ul style="list-style-type: none"> <li>Potassium Methyl Siliconate solution to impart water repellence to gypsum and gypsum fiberboard, aerated concrete, perlite, vermiculite, in-plant impregnation of terracotta tiles, bricks, flower pots</li> <li>Wall injection (damp proof chemical barriers)</li> </ul>
BRB Siloen® SR 608 Silane/Siloxane concentrate	100%	<ul style="list-style-type: none"> <li>Solvent dilutable silane/siloxane blend masonry water repellent                             <ul style="list-style-type: none"> <li>↗ Alkali stable ↗ High penetration for long lasting protection ↗ Good water repellency ↗ Easily dilutable ↗ Very effective on highly porous carbonatic material (limestone)</li> </ul> </li> </ul>
BRB Siloen® SR 619 Silane/Siloxane concentrate	100%	<ul style="list-style-type: none"> <li>Solvent dilutable silane/siloxane blend masonry water repellent                             <ul style="list-style-type: none"> <li>↗ Alkali stable ↗ High penetration for long lasting protection ↗ Good water repellency ↗ Easily dilutable ↗ Highly effective on concrete, sandstone</li> </ul> </li> </ul>
BRB Siloen® 694 Alkyl Silane	100%	<ul style="list-style-type: none"> <li>Water repellent impregnating formulation for building materials like cement and concrete                             <ul style="list-style-type: none"> <li>↗ High penetration ↗ No impact on surface aspect ↗ Alkali resistant</li> </ul> </li> </ul>
BRB Siloen® 696 Alkyl Silane emulsion	45%	<ul style="list-style-type: none"> <li>Water repellent liquid admixture for non load bearing concrete based products</li> <li>Water repellent impregnating and priming of alkaline mineral surfaces.</li> </ul>
BRB Siloen® SR 403 Reactive PDMS Emulsion	60%	<ul style="list-style-type: none"> <li>Water repellent additive for silicone based paints, plaster and renders</li> <li>Admixture for cement based mortars with improved water resistance and beading</li> </ul>

## 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"> <li>High performance water repellent beading effect additive with minimal dirt pick up suitable for silicone, silicate, water based dispersions and masonry paints</li> <li>Water repellent primer for subsequent coating of decorative top coats</li> </ul>

●●●● 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"> <li>Binder for heat resistant paints</li> <li>Binder for anti corrosion paints                             <ul style="list-style-type: none"> <li>↗ 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</li> </ul> </li> </ul>
BRB Siloen® SR 379N Methyl Silicone Resin in xylene	50%	<ul style="list-style-type: none"> <li>Binder for heat resistant paints</li> <li>Binder for anti corrosion paints                             <ul style="list-style-type: none"> <li>↗ 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</li> </ul> </li> </ul>
BRB Siloen® SR 383 Methyl Phenyl Silicone Resin in xylene	50%	<ul style="list-style-type: none"> <li>Binder for heat resistant paints</li> <li>Binder for anti-corrosion paints                             <ul style="list-style-type: none"> <li>↗ 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</li> </ul> </li> </ul>
BRB Siloen® SR 313 Methyl Phenyl Silicone Resin in xylene	80%	<ul style="list-style-type: none"> <li>Binder for heat resistant paints</li> <li>Binder for anti corrosion paints                             <ul style="list-style-type: none"> <li>↗ Similar properties as BRB Siloen® SR 383 but recommended to formulate high solids low VOC paint</li> </ul> </li> </ul>

## BRB Siloen® Resins Range for Heat Resistant Paints (cont.)

Product Name/Type	Active	Application/Main Features
BRB Siloen® SR 833 Alkoxy Methyl Silicone Oligomer	100%	<ul style="list-style-type: none"> <li>Binder for room temperature moisture curing heat resistant paints</li> <li>Organic resin modifier                             <ul style="list-style-type: none"> <li>As binder:-                                     <ul style="list-style-type: none"> <li>↗ 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)</li> </ul> </li> <li>As resin modifier:-                                     <ul style="list-style-type: none"> <li>↗ Compatible with organic resin ↗ Low volatile content ↗ More effective than monomers due to its higher amount of reactive sites</li> </ul> </li> </ul> </li> </ul>
BRB Siloen® SR 385 FD Methyl Phenyl Silicone Resin in xylene	50%	<ul style="list-style-type: none"> <li>Binder for non-stick coatings material in contact with foodstuff; non-sticking bakery pans for bread, rusks, biscuits, cakes, etc.                             <ul style="list-style-type: none"> <li>↗ 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)</li> </ul> </li> </ul>

## 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"> <li>Excellent surface tension depressant                             <ul style="list-style-type: none"> <li>↗ Helps flow and levelling ↗ No or very low foam stabilisation</li> </ul> </li> <li>Thinnable with Isopropyl Alcohol, Acetone, Water</li> </ul>	Water borne, 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"> <li>Water borne coating                             <ul style="list-style-type: none"> <li>↗ Reduce surface tension, improving wetting and levelling ↗ pH stable (4 to 10) ↗ Do not reduce slip ↗ Recoatable</li> </ul> </li> <li>Dilutable with Water</li> </ul>	Water borne 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"> <li>Water borne coating that do not contain co-solvent                             <ul style="list-style-type: none"> <li>↗ Improves wetting and levelling ↗ pH stable (4 to 10) ↗ Do not reduce slip ↗ Recoatable</li> </ul> </li> <li>Dilutable with Water</li> </ul>	Water borne 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"> <li>Improve wetting on difficult substrates                             <ul style="list-style-type: none"> <li>↗ Water based flexo-inks for PE, PP and PET film ↗ Very effective in neutral pH (6 to 8)</li> </ul> </li> <li>Thinnable with Isopropyl Alcohol, Acetone, Water</li> </ul>	Water borne Acrylate, Alkyd, Polyurethane, Polyester 0,2 to 1% let-down stage or post addition