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Suppliers and Consultants for: **Building Protection**
Waterproofing Systems
KEIM® Mineral Paints

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Permaflex® Enviro S200P Water based Epoxy Primer & Coating

Technical Data Sheet

<p>Description:</p> <ul style="list-style-type: none"> • Two pack water based epoxy • Very good resistance to most chemicals • Very good solvent resistance • Very good abrasion resistance • Ease of application • May be applied down to 8 degrees Celsius • Low odour • Low levels of Volatile Organic Compounds (VOC) 	<p>Uses:</p> <ul style="list-style-type: none"> • As a high performance primer below other coatings such as: <ul style="list-style-type: none"> ○ Polyurethanes ○ Acrylics ○ Other epoxies • Concrete floors and walls in areas such as: <ul style="list-style-type: none"> ○ Factories and warehouses ○ Food and beverage industry ○ Chemical manufacture ○ Seamless floors • Waterproofing: <ul style="list-style-type: none"> ○ Concrete slabs before floor overlay ○ Fish ponds ○ Interior below grade walls
<p>Technical information:</p> <ul style="list-style-type: none"> • Colour: <ul style="list-style-type: none"> ○ AS N35 light grey. ○ Other colours made to order • Finish: Semi-gloss • Solids: Approximately 40% by volume • VOC's: 26 gm/litre • Application rates: <ul style="list-style-type: none"> ○ 6-8 m²/litre/coat ○ As primer, normally 1 coat ○ For walls & flooring, 2-3 coats • Chemical resistance: for specific recommendations, <ul style="list-style-type: none"> ○ Contact Research and Applied Technologies • Abrasion resistance: very good • Solvent resistance: Excellent for most solvents. <ul style="list-style-type: none"> ○ For specific recommendations, contact Research and Applied Technologies • Weathering: Chalking will if exposed to sunlight <ul style="list-style-type: none"> ○ Can be over-coated with UV resistant topcoats 	<p>Application Data:</p> <ul style="list-style-type: none"> • Mixing ratio, parts A + B, @ 1:1 • Pot life: Approx 1 hour @ 20 degrees C • Mixing: <ul style="list-style-type: none"> ○ Power stir part A, then blend in part B ○ Power stir thoroughly for at least 2 min. ○ Allow to sit for 5-10 minutes ○ Thin if necessary with water. Thin 1st coat up to 10%. Don't thin subsequent coats. ○ Restir for 2 minutes • Application rates: 6-8 m²/litre/coat • Drying: <ul style="list-style-type: none"> ○ Touch dry @ 2-3 hrs ○ Hard dry overnight @ 20 deg C ○ Provide air movement if necessary to assist drying ○ Humidity should be < 85% ○ Continues to harden over 5 days • Over-coating: <ul style="list-style-type: none"> ○ Can be over-coated after 3-4 hrs ○ Can be over-coated the next day
<p>Storage:</p> <ul style="list-style-type: none"> • Shelf life 12 months if kept away from and moisture • Store above 8 degrees C 	<p>Application tips:</p> <ul style="list-style-type: none"> • Equipment: Airless spray, roller or brush • Cleanup: water, detergent or methylated spirits
<p>Health and safety:</p> <ul style="list-style-type: none"> • All applicable statutory regulations must be observed during application • Appropriate PPE should be worn • Provide adequate ventilation • Wash hands before eating, drinking or smoking 	<p>Surface preparation:</p> <ul style="list-style-type: none"> • All surfaces to be structurally sound and free of contamination • It is recommended to acid etch and waterblast all unpainted concrete to "open" the surfaces. • On painted surfaces, remove any loose and flaking paint. • Clean the surfaces to remove all dirt, mould, pollutants, and any contaminants, which may inhibit the application of the subsequent coating systems.
<ul style="list-style-type: none"> • The consumption rates given are approximate guidelines only and are valid for smooth surfaces. • Exact consumptions have to be defined by site trials. • The application rates noted above are minimums only. • Allowances will need to be made for wastage, surface profile, site conditions etc. 	
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