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## Permaflex® Enviro S200P Water based Epoxy Primer & Coating

### Technical Data Sheet

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