

# Mastershield M50 Aqueous Epoxy

Reference: TDM50  
Date: 07.08.06  
Page 1 of 2

For Professional Use Only

Packaging	10L kit	
Description	Consists of 2 parts, namely; Part A (Resin) and Part B (Hardener). Part A & B are mixed in equal parts by volume (not weight) to result in a viscous solution .	
Colour	Opaque and Neutral base; can be tinted with Mastertone Aqueous Tints or suitable architectural tints. Bright Tints must only be used with Opaque base.	
Use	As a primer for concrete floors and walls or as a coloured coating for warehouses, factories, garages etc. Main use is indoors as direct sunlight will cause yellowing.	
Application	<ol style="list-style-type: none"> <li>1. Read material safety data sheet and tech data for both parts A &amp; B before opening.</li> <li>2. Ensure surface to be coated is free of all dirt, grease, oil, paint and other contaminants.</li> <li>3. If the floor is smooth, acid etch or grind. This will maximise adhesion. Ensure all acid is removed prior to coating.</li> <li>4. Mix A and B in correct proportions (1:1 by volume). Mix thoroughly until mix colour is uniform (white). Pigment can be added if required</li> <li>5. Apply to surface with a soft broom or roller. (Note: the surface can be damp but not wet through or with puddles)</li> <li>6. Allow to cure. Clean up with water</li> </ol> <p>If to be used as a coloured final coating, apply a further 2 coats following steps 4 to 6 above.</p> <p>Note: For best results moisture content of slab should be less than 6%. For priming, product can be diluted up to 20% with water. Application temperature 10°C- 35°C. If used as a final coating, consideration must be given to slip resistance as coating may be slippery, particularly when wet. Refer to Slip Reducing Additive Tech Data.</p>	
Usage Rate	As a primer 1 Litre per 6m <sup>2</sup> depending on surface texture, absorption etc.	
Specifications (After mixing equal volumes of A & B)	<b>Apperance:</b> <b>Pot life @ 25°C:</b> <b>Track free@ 25°C:</b> <b>Recoating time@ 25°C :</b> <b>Light trafficable@ 25°C:</b> <b>Full cure@ 25°C:</b> <b>VOC (other than water):</b>	White opaque viscous liquid 2-4 hours (approx) 2-4hrs (approx) 2 hrs (approx) 24hrs (approx) 4 days (approx) Very low
Properties of film	<b>Adhesion to concrete:</b>  <b>Flexibility:</b> <b>Hydrostatic pressure:</b>	old      excellent (concrete failure) green    excellent (concrete failure) good (3 coats DFT 300micron) Good

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Page 2 of 2

<b>Chemical Resistance</b> (fully cured) 2 week immersion @ 20°C (very good = little or no effect)	Water	Very Good
	10% caustic	Very Good
	Petrol	Very Good
	10% acetic acid	Very Good
	10% Sulfuric Acid	Very Good
	Antifreeze	Very Good
	Crude Oil	Very Good
	Vegetable Oil	Very Good
	Xylene	Very Good
	Sea Water	Very Good

Features	Water dispersible and can be diluted up to 20% with water. Water wash-up. Very low odour. Can be tinted. Excellent adhesion to concrete surface and damp but not wet concrete.
Limitations	Inside use only. Not suitable as a membrane. Yellowing with UV light. Not available in clear. Refer to other sealers in the LustreSeal range.
Safety	Ensure area to be coated is well ventilated. If sprayed, protect from breathing vapours & contact with skin & eyes. Wear safety glasses, gloves, boots & protective clothing. If skin contacted, wash off immediately with soap and water. If irritation occurs, seek medical advice. If eyes contacted, flush with copious amounts of water. If irritation occurs, seek medical advice. Material Safety data sheet must be read prior to using product.
Storage	Store in a cool dry area away from foodstuffs, oxidising and reducing agents, amines, acids and alkalis.
Shelf Life	12 months from manufacture if stored unopened in ideal conditions.
Maintenance	As required dependant on use.
Spills & Disposal	Do not allow product to enter drains or waterways. Wear safety equipment and soak up in absorbent inert material such as sand and collect in a suitable labelled container for disposal as required by local authorities

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