

BluSeal Britdex MDP

SPRAY APPLIED MMA WATERPROOFING SYSTEM



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DESCRIPTION

BluSeal Britdex MDP is a two component high performance Methyl Methacrylate (MMA) waterproof membrane, which once cured forms a highly flexible, tough and seamless membrane.

USES

BluSeal Britdex MDP provides a waterproof system to protect the substrate from ingress of water and the effects of chloride ions. Typical Applications include road and rail bridges, cut and cover tunnels, tanking, roofs, podiums, car parks and other Civil Engineering structures.

ADVANTAGES

- Excellent tensile strength with high flexibility maintains coating integrity
- Long term durability
- Resistant to chemical and mechanical impact
- Rapid application rates of up to 2000m² per day
- Able to carry load after 1 hour

PREPARATION

Concrete should be at least 7 days old. All defective host substrate must be removed prior to application. Defective material includes cracked or structurally weakened surfaces and also include chloride contaminated and carbonated concrete. Host concrete must be roughened and aggregate exposed to ensure good bond. Shot blasting of the surface is recommended for this purpose. All surfaces must be free of dust, oils and surface contaminates. For steel surfaces, all rust, dirt and contamination should be removed to expose bright metal to achieve Sa2.5 surface finish.

MIXING:

BluSeal Britdex MDP is mixed and applied using a specialised Graco hydracat spray unit. Please consult a Bluey Representative for further advice.

APPLICATION

BluSeal Britdex MDP must be installed by an approved, specialised applicator. Experience in installation techniques and testing is essential. BluSeal Britdex MDP Primer can be applied by spray, roller or brush at a coverage rate of 5m²/kg. BluSeal Britdex MDP membrane is spray applied using specialised spray equipment, to achieve a minimum dry film thickness of 2mm. The membrane can be applied in a 1 or 2 coat system. A range of BluSeal Britdex MDP tacks coats are available depending upon the pavement specification, please consult a Bluey Representative for further advice. Refer to BluSeal Britdex MDP application guidelines document for further details.





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PRODUCT DATA

Ratio:	1 Part A : 1 Part B	
Yield:		
Primer	5m ² per kg	
Membrane	0.4m ² per kg @ 2mm dft	
Set Time:		
Primer	20-60 minutes	
Membrane	10-60 minutes	
Tensile Strength:	11MPa	(BS EN ISO 527-3 1996)
Elongation:	220%	
Hardness (Shore D):	48	
Chisel Impact at 23°C & 0°C:	No damage	(BD 47 B4.2(h))
Tensile Adhesion Strength:		
Concrete	>0.7MPa	
Steel	>2.0MPa	
BD47 Requirement:	>0.3MPa	
Resistance to Chloride Ion Penetration (%):	0.04 max	(BD 47 B4.2(e))
Clean Up:	All tools and equipment should be cleaned using acetone before the material is allowed to cure.	

STATEMENT OF RESPONSIBILITY

The technical information and application advice given in this publication is based on the present state of our best knowledge. As the information herein is of a general nature, no assumption can be made as to a product's suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by Commonwealth or State Legislation. The owner, their representative or the contractor is responsible for checking the suitability of products for their intended use.

Product properties are dependent upon seasonal and geographical criteria. Product properties and performance may vary between countries and locations within. We recommend that you clarify your specific requirements with your local Bluey representative to ensure that all specific project requirements are met.

NOTE

Field service where provided, does not constitute supervisory responsibility. Suggestions made by Bluey Technologies Pty Ltd either verbally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they, and not Bluey Technologies Pty Ltd are responsible for carrying out procedures appropriate to a specific application.

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