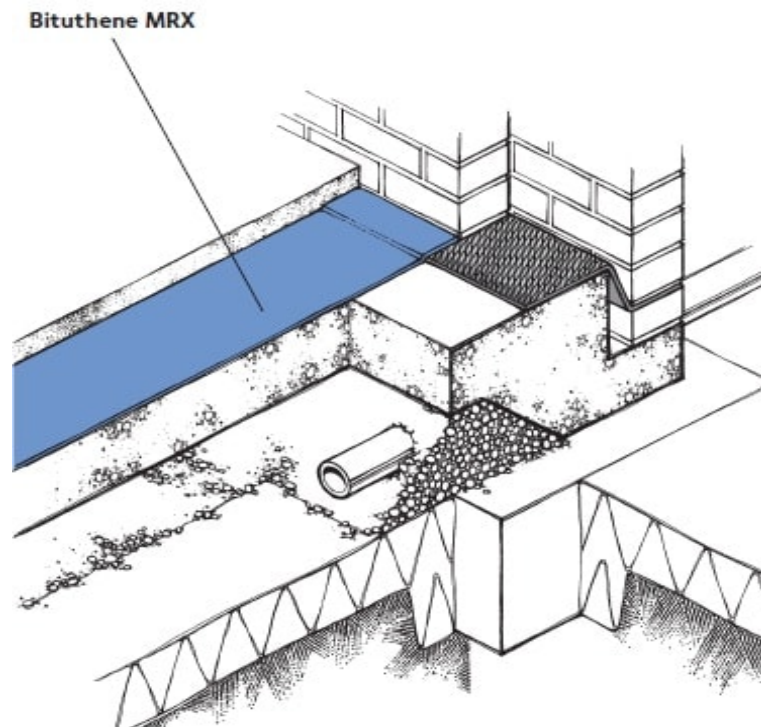


# BITUTHENE<sup>®</sup> MRX

Methane and radon gas resistant, self-adhesive membrane

## Product Description

BITUTHENE<sup>®</sup>MRX is a methane, carbon dioxide and radon resistant grade of BITUTHENE<sup>®</sup> specifically designed to resist these harmful gases. BITUTHENE<sup>®</sup>MRX has a specially developed high strength composite backing film laminated to self-adhesive polymer compound designed to resist the passage of harmful gases.



Details shown are typical illustrations only and not working drawings. For assistance with working drawings and additional technical advice please contact GCP Technical Services.

## Product Advantages

- Resistant to passage of methane, carbon dioxide and radon gas
- Gas resistant - methane, carbon dioxide and radon gas protection in excess of the standard membrane requirements in BRE Reports 211 (radon) and 212 (Methane and carbon dioxide)
- Water and vapour proof
- Laminated metal foil/polymer - provides dimensional stability, high tear strength, puncture and impact resistance
- Single layer - simple, reliable, low labour cost
- Cold applied - no heating plant required, eliminates fire hazard
- Self-adhesive - continuity at rolled overlaps, polymer formulation allows for healing of small punctures
- Factory controlled thickness - no variation by site practices.



## Application

Recommended priming application temperature +5 °C to +35 °C Apply BITUTHENE®Primer B1 to all substrates and allow to dry. BITUTHENE®MRX should be laid by peeling back the protective silicone release paper and applying the self-adhesive face onto the prepared surface. The material should be brushed on to the surface to ensure good bond with 50 mm at side and ends, and the overlaps well rolled with a firm pressure to ensure complete adhesion and continuity. Following the application and inspection care should be taken to prevent damage by following trades. Any punctures or damaged areas should be cleaned and patched using BITUTHENE®MRX with a minimum 50 mm laps all round.

As soon as practicable after the application, the gas membrane system should be protected from physical damage. Protection is considered to be essential if the membrane is exposed to general site traffic and damage free integrity of the membrane cannot be guaranteed. Protection boards are available from GCP, see separate data sheet for details.

### SUPPLY

#### BITUTHENE® MRX

Roll length	20 metre
Roll width	1 metre (20 sq m)
Thickness	min 1.3 mm overall
Weight	34 kg/roll
Rolls per pallet	15
Storage	Store upright in conditions below 30 °C
BITUTHENE® Primer B1	5 & 25 ltr units

Equipment by Others: Soft brush, stanley knife and airline, or similar, for cleaning surface.

PHYSICAL PROPERTIES		
Property	Typical Value	ASTM Test Method
Radon Transmission	$< 1 \times 10^{-9} \text{m.s}^{-1}$	S.P. Institute, Sweden
Tape Strength	Trans 4.2 N/mm Long 3.9 N/mm	EN 12113 B
Elongation	Trans 8% Long 6%	EN 12113 B
Tear Resistance	Trans 102 N Long 104 N	EN 12310
Adhesion to primed concrete	1.8 N/mm	D1000
Adhesion to self	1.7 N/mm	
Puncture Resistance	180 N	E154
Moisture Vapour transmission rate	0.1 g/m <sup>2</sup> /24hr	E 96

*All test results shown in this data sheet are determined under laboratory conditions and with the product sample taken directly from stock in its original packing without any alteration or modification of its component parts.*

## Health and Safety

There is no legal requirement for a Safety Data Sheet for BITUTHENE®MRX. For Primer B1 read the product carton and Safety Data Sheet (SDS) before use. Users must comply with all risk and safety phrases. SDS's can be obtained from GCP Applied Technologies or from our web site at [gcpat.com](http://gcpat.com).

## NBS Specification Clause

Refer to Clause J40 180.

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[gcpat.uk/solutions/products/bituthene-post-applied-waterproofing/bituthene-mrx](http://gcpat.uk/solutions/products/bituthene-post-applied-waterproofing/bituthene-mrx)