



VIPRO®

Vi-Pro® EPDM SYSTEM
EPDM sealing membrane

Vi-Pro[®] EPDM SYSTEM

The complete system for water, weather and moisture protection and air sealing of facades, windows and masonry walls.

During its lifetime a building facade is subject to the effects of thermal and structural movements as well as wind and water, all under a wide range of temperatures and climatic conditions. These stresses and movements subject the waterproofing to a range of demands: it needs to be strong, elastic, weatherproof and resistant to wide, polluted atmosphere. It needs to give a service life as long as the life of the building, with no loss in performance or properties. The Vi-Pro EPDM System provides an engineered waterproofing system meeting all these requirements.

Vi-Pro EPDM Membrane

The EPDM and Butyl membranes, with their cross-linked molecular structure, have negligible aging over time, despite exposure to the atmosphere, sunlight, UV-radiation, chemical pollutions, water and extremes of temperature. EPDM and Butyl contain no plasticisers which can evaporate or be washed out over time or migrate to other materials. The strength and elasticity remains virtually unchanged over decades, without shrinkage, melting, hardening or cracking, and the membrane remains flexible at temperatures from -40 to +120°C. EPDM has a proven service life, defined as minimum 150% elongation at break, exceeding 50 years in exposed installations. EPDM and Butyl are also highly resistant to chemicals and attacks by rodents, fungi, bacteria and micro-organisms. They are also resistant to water absorption. EPDM and Butyl can absorb thermal and structural movements during linear elongation up to 300% and have a multiaxial elongation exceeding 100%, at any temperature. Unlike most thermoplastic materials EPDM has no yield point, even when deformed to extreme limits it will still return to its original shape, size and thickness. Due to its viscoelastic properties it can withstand an almost unlimited pressure load.



Benefits of the Vi-Pro® EPDM products

- Weather resistant. Resistant to atmosphere, UV light and airborne pollutions. Service life expectancy exceeds 50 years.
- Temperature resistant. Maintains its elasticity and extensibility irrespective of temperature.
- Biological resistant. Resistant to microbiological degradation, rodents, fungi and bacteria.
- Elastic. Can elongate over 300 %, with over 100 % multi dimensional elongation, and will always return to its original size and shape after elongation. Will therefore accommodate any thermal or structural movements in a building structure.
- Proven history. EPDM and Butyl membranes have been used for over 50 years in the building and civil engineering industry. The flexible membrane with the longest history.
- Tough and puncture resistant. Not affected by mechanical abuse, or extreme pressure loads.
- Resistant to building materials. EPDM and Butyl contain no plasticisers or additives that can migrate to other building materials and are compatible with any building substrates.
- Chemical resistant. EPDM or Butyl are not affected by other building materials, like mortar, cement, polystyrene, or acids.
- Not affected by water. EPDM and Butyl are completely unaffected by water and moisture, and absorb no measurable amount of water.
- Environmental friendly products. Contains no environmental pollutants. Can be recycled, burned or disposed without any effects on the environment.
- An engineered Cladding system. All components and a full range of technical solutions from one supplier.

Because of its stable molecular structure EPDM or Butyl does not affect other building materials or cause migration, staining or discoloration. EPDM and Butyl has a low weight and a documented service life exceeding 50 years. It does not contain any CFCs, HCFCs, phtalates, dioxins, low grade hydrocarbons or other harmful chemicals. Because of this, a Life Cycle Assessment (LCA) is very favourable when compared to alternative products. Butyl has similar properties as EPDM, combined with a extremely low water vapour permeability.

Comparison with thermoplastic materials

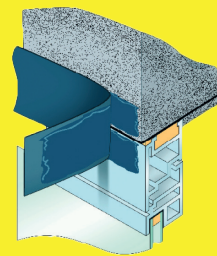
| | EPDM & Butyl | Thermoplastic materials | |
|--|----------------------|-------------------------|---|
| -40° C | 0% 300% 0% | 0% 0% 0% | At -40°C EPDM and Butyl are unaffected, thermoplastics are stiff, brittle. |
| +150° C | 0% 300% 0% | | At +150°C EPDM and Butyl are unaffected, thermoplastics are liquids. |
| After elongation due to struktural movements | 0% 300% 0% | 0% 40% 40% | After decades of flexing, EPDM and Butyl unaffected. Thermoplastics are thin and elongated, or cracked. |

VI-PRO[®] EPDM SYSTEM

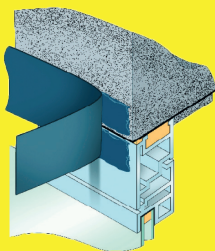
The Vi-Pro EPDM System incorporates a range of products giving full freedom in construction and application of the weather sealing attachment against the window frame and/or load carrying structures, both at the outside and the inside walls of the building. Sourcing all components from one supplier means compatible components and best possible logistics.

We are able to offer four different membranes depending on which water vapour transmission factor the strip should have. Vi-Pro EPDM Membrane EXT for outside weatherproofing where a high vapour permeability is requested and Vi-Pro EPDM Membrane INT, Membrane INT Super, Membrane Butyl Layer where a intermediate, low or extremely low vapour permeability is requested. The diagram shows the different membranes in proportion to each other depending on the membranes thickness and μ -value:

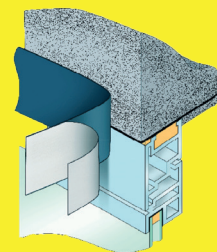
Vi-Pro EPDM Membrane can be fixed to any building substrate using the following methods:



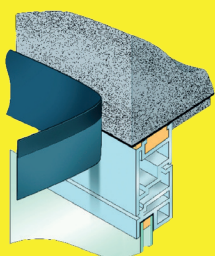
Adhered in separate contact adhesive Vi-Pro Membrane EXT, Membrane INT(Super) and Vi-Pro EPDM Contact Adhesive 904



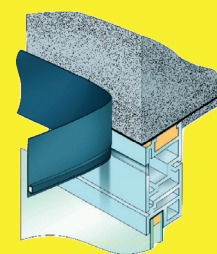
Adhered in separate high viscosity paste adhesive Vi-Pro EPDM Membrane EXT, Vi-Pro EPDM Membrane INT(Super) and Vi-Pro EPDM Paste Adhesive 903



Reinforced membrane coated with self adhesive, sticky butyl (extremely high μ -value) Vi-Pro Membrane Butyl Layer



Vi-Pro EPDM Membrane EXT adhered with factory applied, self adhesive strips on one or two edges Vi-Pro EPDM Membrane Butyl Strips



Vi-Pro EPDM Membrane EXT mechanically fixed in a designed female groove, with factory applied extruded EPDM profile Vi-Pro EPDM Membrane Click

Vi-Pro EPDM Service

To support and develop our customers is a key objective of the Vi-Pro EPDM Service. Our commitment to a "state-of-the-art" weather sealing package does not end with delivery of products to the building site. We remain your partner in providing individual engineered solutions, technical training and service in installation and construction, trouble shooting, development and logistics.

Our technical support team is available to offer advice on the installation, specification, application and suitability for a particular project of all Vi-Pro EPDM System. Our technical service engineers are also at your disposal for on-site training and advice and can provide information on the correct handling and techniques required to install the Vi-Pro EPDM System.

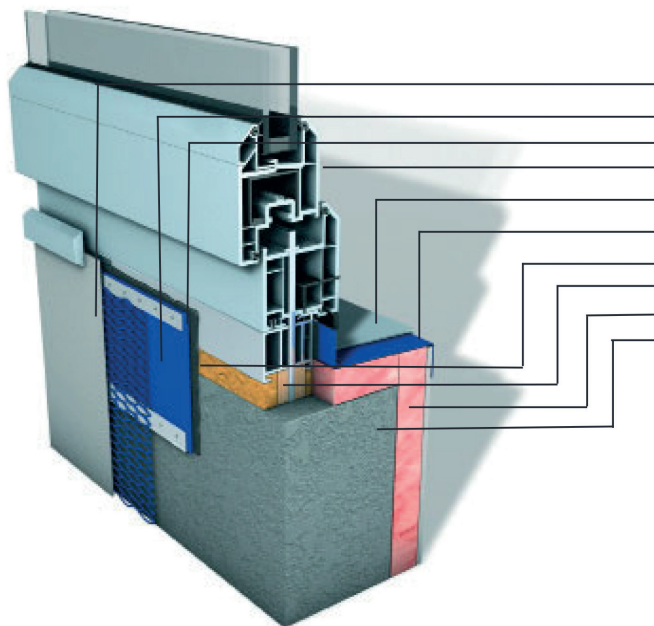


Area of use

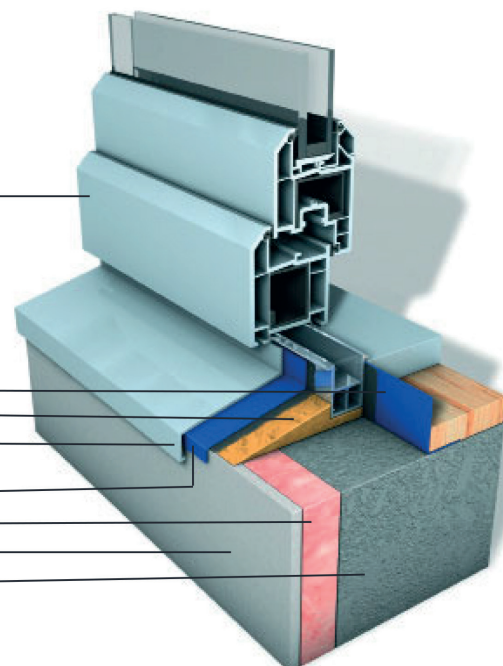
The Vi-Pro EPDM System is the optimum material in the market to use for facade waterproofing, air sealing and damp proof course (often abbreviated to DPC). It is a complete system, which prevents rain and water from entering the buildings and prevents air leaks in the structure.

Window and cladding applications (weatherstrips and airseals).

Many window and cladding systems require an external waterproof seal and internal air seal between the framework and substrate. The Vi-Pro EPDM System provides a continuous moisture barrier that can accommodate structural movement. Installation of the Vi-Pro membrane is a simple process using specially formulated primer, cleaner, adhesive and sealant.

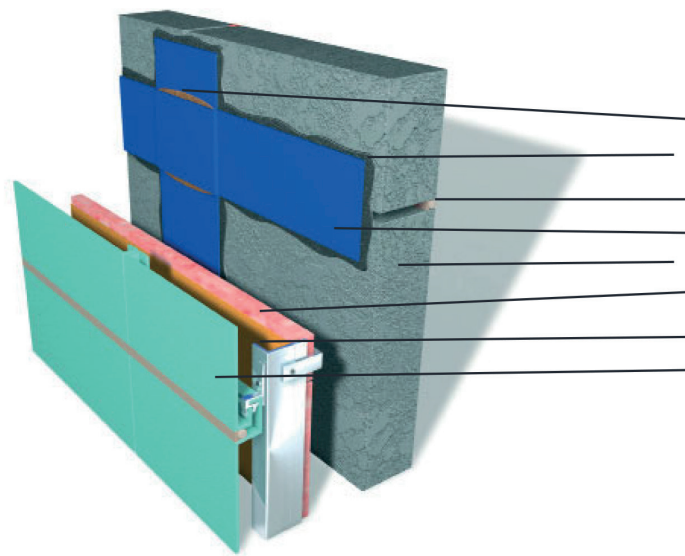
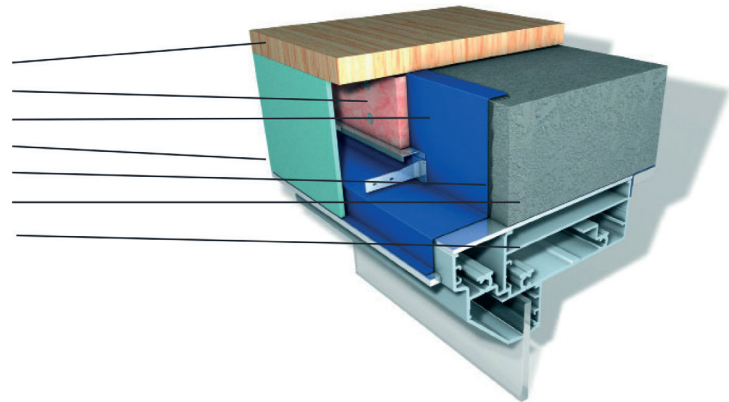


- Finish
- Vi-Pro EPDM Membrane
- Termination Bar
- Window Frame
- Window Sill
- Vi-Pro EPDM Membrane
- Contact or Paste Adhesive
- Polyurethane Foam
- Insulation
- Substrate



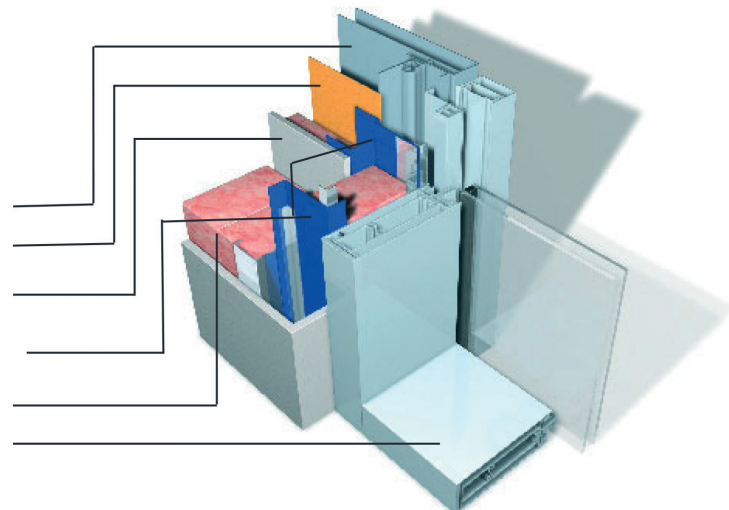
- Window Frame
- Vi-Pro EPDM Membrane
- Polyurethane Foam
- Window Sill
- Vi-Pro EPDM Membrane bonded to substrate with Paste or Contact Adhesive
- Insulation
- Finish
- Substrate

Timber Deck
Insulation
Vi-Pro EPDM Membrane
Cladding
Contact or Paste Adhesive
Substrate
Window Frame



Vi-Pro NS Neutral Silicon
Contact or Paste Adhesive
Vi-Pro NS Neutral Silicone with backer rod
Vi-Pro EPDM Membrane
Substrate
Insulation
Breather Membrane
Cladding

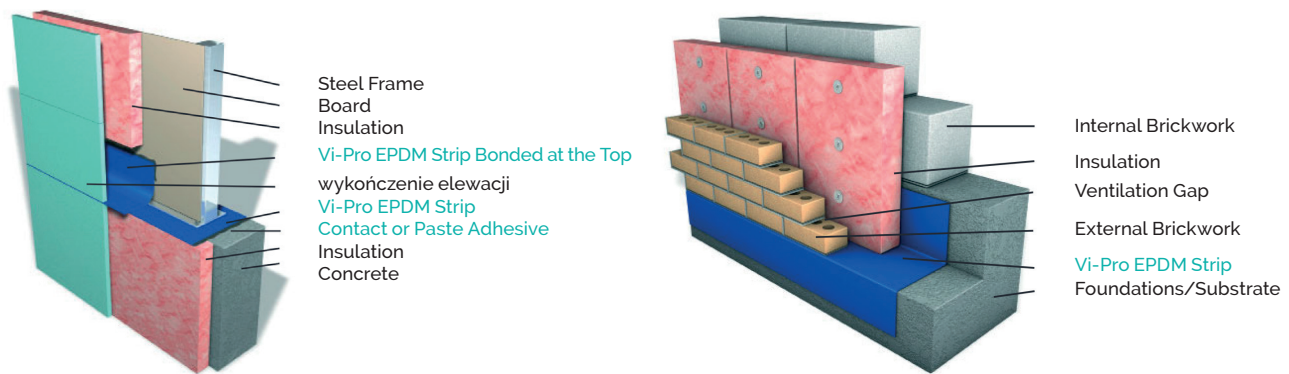
Cladding
Breather Membrane
Vi-Pro Membrane fixed with termination
bars and bonded with Contact or Paste
Adhesive
Insulation
Window Frame



Damp Proof Course Applications

The provision of a damp proof course has long been a requirement in construction. Brickwork and masonry must be protected from the damaging effects of water and moisture.

The Vi-Pro EPDM strip provides a continuous barrier of protection and its life expectancy is much longer than traditional materials. Installation of the Vi-Pro EPDM strip membrane is a simple process using specially formulated primer, cleaner, adhesive and sealant. Its exceptional elongation and weathering properties are perfect for a temperamental climate.

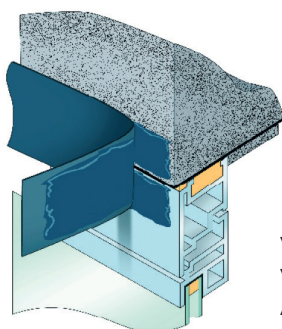


The Vi-Pro EPDM Installation

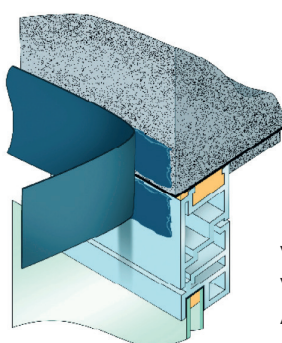
With five alternative application methods there is a suitable Vi-Pro EPDM solution to every facade, window or foundation construction and every type of substrate. The strips are available in any specified width from 50 mm up to 1700 mm to ensure the correct weatherproofing in any individual case. Bonding surfaces have to be dry and clean. Overlap seams between strips have to be sealed with sealants and porous substrates have to be coated with a primer to provide a good bonding surface. All components that are necessary are included in the Vi-Pro EPDM System:

| Vi-Pro | Product type | Areas of use | Suitable substrates wor surfaces |
|-----------------------------|--|--|--|
| Paste Adhesive 903 | Polymer based high viscosity adhesive with low solvent content. Colour: black | One-side adhering of EPDM and Butyl to substrates. By using Vi-Pro Paste Adhesive 903 the position of the strip can be adjusted, where Vi-Pro EPDM Contact Adhesive 904. | Ridge PVC, Aluminium, Steel, Galvanised steel, Glass, Acrylic glass, Concrete, Light weight concrete, Lead, Wood, Bitumen, EPDM, Butyl |
| Contact Adhesive 904 | Polymer based contact adhesive containing inflammable solvents. Colour: black | Two-side adhering of EPDM and Butyl to substrates. Can also be used to splice EPDM or Butyl surfaces together, in combination with Vi-Pro Neutral Sealant. | Ridge PVC, Aluminium, Steel, Galvanised steel, Glass, Bitumen (not APP), Concrete, Light weight concrete, Wood, EPDM, Butyl |
| Neutral Sealant | Silicone based sealant with low solvent content. Colour: black | Sealing of overlap seams, details and corners in all Vi-Pro EPDM Systems. | PVC, PE, Aluminium, Steel, Galvanised steel, Glass, Acrylic glass, EPDM, Butyl |
| Primer 908 | Solvent based primer, contains polymer. Highly inflammable. Colour: black | Treatment of absorbing or porous substrates before applying Vi-Pro EPDM Butyl Layer/Butyl Strips. | Concrete, Light weight concrete, Stone, Perlite, Mineral boards. |
| Cleaning Wash 907 | Naphtha (Petroleum), hydrogen processed light. Highly inflammable. Colour: Black | Used on metal and Vi-Pro EPDM surfaces that are to accept adhesives which have been contaminated by oil-based products or excess dirt (note: on both mating surfaces in the case of Vi-Pro EPDM surfaces). | Hard PVC, Aluminium, Steel, Galvanised steel, Acrylic glass, Concrete, Light weight concrete, Lead, Wood, Bitumen, EPDM, Butyl |

Wszystko co potrzebujesz



Vi-Pro EPDM Strip
Vi-Pro EPDM Contact
Adhesive 904



Vi-Pro EPDM Strip
Vi-Pro EPDM Contact
Adhesive 904

Vi-Pro EPDM(S) Membrane EXT

Vi-Pro EPDM Membrane is an elastomeric waterproofing strip based on the rubber polymer EPDM with a low water vapour transmission factor. The product comes in black colour and has a surface texture on both sides for maximum adhesion.

| Vi-Pro EPDM(S) Membrane EXT | |
|---|-------------------------|
| Thickness | 0,6/0,75/1,0/1,2/1,5 mm |
| Length | 25 m |
| Width | from 50 to 1700 mm |
| Water vapour transmission factor, μ - value | $\geq 32\ 000$ |
| Sd (0,6 mm) | $\geq 19,2$ m |
| Sd (0,75 mm) | $\geq 24,0$ m |
| Sd (1,0 mm) | $\geq 32,0$ m |
| Sd (1,2 mm) | $\geq 38,4$ m |
| Sd (1,5 mm) | $\geq 48,0$ m |



Vi-Pro EPDM Membrane INT

Vi-Pro EPDM Internal is an elastomeric waterproofing strip based on the rubber polymer EPDM with an intermediate water vapour transmission factor. The product comes in black colour and has a surface texture on both sides for maximum adhesion.

| Vi-Pro EPDM Membrane INT | |
|---|---------------------|
| Thickness | 0,75/1,0/1,2 mm |
| Length | 25 m |
| Width | from 50 to 1 700 mm |
| Water vapour transmission factor, μ - value | 98 000 |
| Sd (1,0 mm) | 98 m |
| Sd (1,2 mm) | 117,6 m |

Vi-Pro EPDM Membrane INT Super

Vi-Pro EPDM Membrane INT Super is an elastomeric waterproofing strip based on the rubber polymer Butyl with a high water vapour transmission factor. The product comes in black colour and has a surface texture on both sides for maximum adhesion.

| Vi-Pro EPDM Membrane INT Super | |
|---|---------------------|
| Thickness | 0,75/1,0 mm |
| Length | 25 m |
| Width | from 50 to 1 700 mm |
| Water vapour transmission factor, μ - value | 300 000 |
| Sd (0,7 mm) | 225 m |
| Sd (1,0 mm) | 300 m |

Everything you need

Vi-Pro EPDM Membrane Butyl Layer

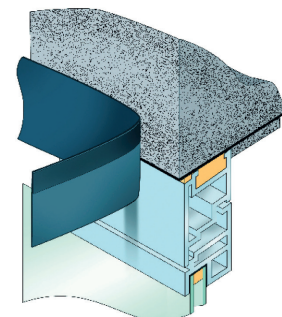
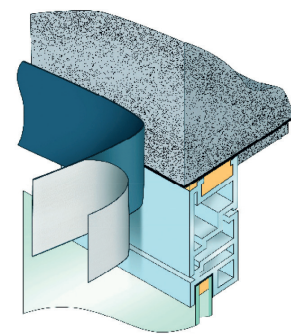
Vi-Pro EPDM Membrane Butyl Layer is a self adhesive waterproofing strip based on the rubber polymer EPDM. The product consists of a 1.0 mm thick scrim-reinforced EPDM membrane coated with 0.6 mm sticky butyl which is covered with a release film. The EPDM and sticky butyl together gives us a product with high water vapour transmission factor. Vi-Pro EPDM Butyl Layer comes in black colour.

| Vi-Pro EPDM Membrane Butyl Layer | |
|---|---------------------|
| Thickness | 1,6 mm |
| Length | 20 m |
| Width | from 100 to 1 700 m |
| Water vapour transmission factor, μ - value | 2 000 000 |
| Sd (1,6 mm) | 3 200 m |

Vi-Pro EPDM Membrane Butyl Strips

Vi-Pro EPDM Membrane Butyl Strips is an elastomeric waterproofing strip based on the rubber polymer EPDM with a low water vapour transmission factor and is partly coated with sticky butyl tape. The product comes in black colour and has a surface texture on both sides for max. adhesion.

| Vi-Pro EPDM Membrane Butyl Strips | |
|---|-------------------------|
| Thickness | 0,6/0,75/1,0/1,2/1,5 mm |
| Length | 25 m |
| Width | from 100 to 1 700 mm |
| Water vapour transmission factor, μ - value | 32 000 |
| Sd (0,6 mm) | 19,2 m |
| Sd (0,7 mm) | 24,0 m |
| Sd (1,0 mm) | 32,0 m |
| Sd (1,2 mm) | 38,4 m |
| Sd (1,5 mm) | 48,0 m |



Vi-Pro EPDM Membrane Butyl Strips, tape application examples



Vi-Pro EPDM Membrane Click

Vi-Pro EPDM Membrane Click is an elastomeric waterproofing strip based on the rubber polymer EPDM with a low water vapour transmission factor and has along one side an EPDM profile attached. The profile is designed to fit into a corresponding track in the aluminum or PVC framework. The product comes in black colour and has a surface texture on both sides for maximum adhesion.

| Vi-Pro EPDM Membrane Click | |
|---|-------------------------|
| Thickness | 0,6/0,75/1,0/1,2/1,5 mm |
| Length | 25 m |
| Width | from 100 to 1 700 mm |
| Water vapour transmission factor, μ - value | $\geq 32\ 000$ |
| Sd (0,6 mm) | $\geq 19,2$ m |
| Sd (0,7 mm) | $\geq 24,0$ m |
| Sd (1,0 mm) | $\geq 32,0$ m |
| Sd (1,2 mm) | $\geq 38,4$ m |
| Sd (1,5 mm) | $\geq 48,0$ m |

Contact Vi-Pro EPDM and Primers

Vi-Pro Contact Adhesive 904

Vi-Pro Contact Adhesive 904, in tins of 4.5 kg or 0.9 kg. Applied on both rubber strip and substrate with brush or roller. When surface feels dry to the touch, (10-15 minutes) the strip is pressed against surface. Synthetic polymer and resins dissolved in inflammable solvents. Coverage 0.5 kg/m².

Vi-Pro Paste Adhesive 903

Vi-Pro Paste Adhesive 903, 600 ml sausage pack. Applied on substrate with standard type of hand gun or putty spade. Adhesive based on synthetic rubber. Coverage: 10-12 m/sausage.

Vi-Pro Neutral Sealant

Vi-Pro Neutral Sealant, in 310 g cartridge. Silicone based sealant with excellent adhesion to rubber and most substrates. Coverage 8-12 lin. m/cartridge.

Grunt Vi-Pro EPDM Primer 908

Vi-Pro EPDM Primer 908, in 6 litre metal tin. Primer based on a synthetic rubber and synthetic resins, dissolved in inflammable organic solvents. Used on porous substrates and for consequent use with Vi-Pro EPDM Membrane Butyl Layer. Coverage approx. 3 sqm/litre.



The Watertight Difference

Unique rubber membranes

Rubber is elastic, not plastic. Vulcanisation creates a stable crosslinked polymer structure with unsurpassed dimensional stability, elasticity and long term durability. Our systems involve patented, very competitive elastomeric materials and splicing techniques.

Fully engineered systems

30 years of close cooperation with architects, construction engineers and roofing contractors have resulted in complete and reliable solutions comprising rubber membranes, installation methods and compatible accessories; all backed by efficient technical service.

Focus on the environment

Environmental protection and care comes naturally to a supplier of products that contribute to the conservation of water, as well as the protection of goods and property from water leakage and moisture. Our rubber membranes are chemically stable and contain no problematic additives such as plasticisers, heat- or UV-stabilisers. They do not release any substances that cause allergies or hazards to the environment. Recycling options are available for membranes reclaimed from old installations.

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