

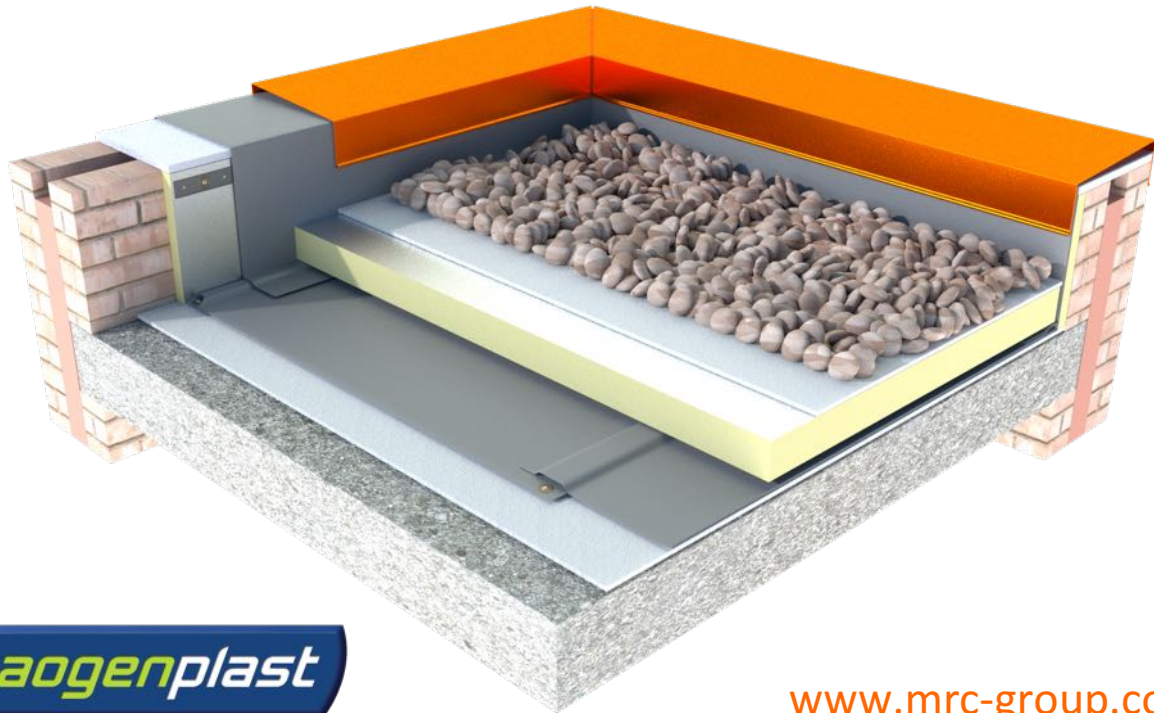
THE IMPERVIOUS RANGE

Excellence in
Waterproofing Systems

info@mrc-group.co.za
www.mrc-group.co.za



SINGLE-PLY WATERPROOFING MEMBRANES FOR INVERTED ROOFS



www.mrc-group.co.za

SYSTEM OVERVIEW:

MRC's 'Inverted' or 'Protected Membrane' roof systems with ballast, paving or green roofs use our PVC or TPO monolithic synthetic single-ply waterproofing membranes and are perfectly suited to use on any new build or refurbishment of flat roofs.

Hydrophobic Insulation such as graphite enhanced Neopor® or Expanded Polystyrene is installed above the membrane to suit the R-Value required. The insulation provides a drainage layer and protects the membrane below from extreme weather i.e. excessive heat or high UV exposure thereby extending the life of the synthetic single-ply waterproofing membrane.

Range of finishes include Ballast, paving or a green roof installed on top of the insulation to suit the requirements of the client.

MRC Group's installed system is backed with the unrivalled, single source, Guardian™ System Warranty covering materials, installation & maintenance for the term of the Inverted Roof.

KEY FEATURES:

- Seamless hot air welded laps & joints
- Fully adhered or mechanically fixed options
- R-Value thermal performance up to 10 (m².K/W)
- Resistant to microbial, chemical and environmental attacks
- Long –term protection of the waterproofing membrane
- Flame retardant material
- Finishes include Ballast, Paving or Green Roof
- Backed with the up to 20 year Guardian™ System Warranty

JOHANNESBURG – DURBAN – CAPE TOWN

For project specific specifications, CAD Details, Samples or technical assistance please contact our technical department on +27 (0) 861 672 476 or refer to our Technical Brochure available on www.mrc-group.co.za

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TECHNICAL DATA:

MATERIAL & THICKNESS

Specially formulated calendared soft PVC sheeting, laminated with a reinforcing polyester scrim – Colours generally white or grey but other colours are available depending on quantity required.

- Ogen Flex OR Elva Flex – 1.2 & 1.5mm. (Roll 20 x 1.5 / 2.4m)

Elva Flex is used in heavy industry areas, providing additional protection against chemicals, oils and exhaust gases from flues.

PROTECTIVE AND SEPERATION MATERIALS

A seperation layer should be used with bitumen or polystyrene.

- The seperation layer is either a non-woven polyester 200g / m² or glass fibre mat 120g / m².
- The protective layer is used where the substrate is rough or uneven is either a non-woven polyester 300g / m² or 500g / m².

LAPS AND WELDING

- Side overlap width is 100mm.
- Automatic or manual hot air minimum welding 30mm.
- Mechanical fixings accomodated within the lap.

THERMAL PERFORMANCE

- R-Value performance of up to 10 (m².K/W).

FIXING OF THE SYSTEM

- Fully adhered systems are more commonly used above concrete substrates. Fully adhered systems are reliant upon suitable weather conditions.

FINISHING LAYER

- Ballast, Paving or a Green Roof available which will impact on the weight of the overall inverted roof system.

SYSTEM WARRANTY

- Up to 20 year, single source Guardian™ System Warranty covers Materials, Workmanship & Maintenance.



ACCREDITATIONS



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