

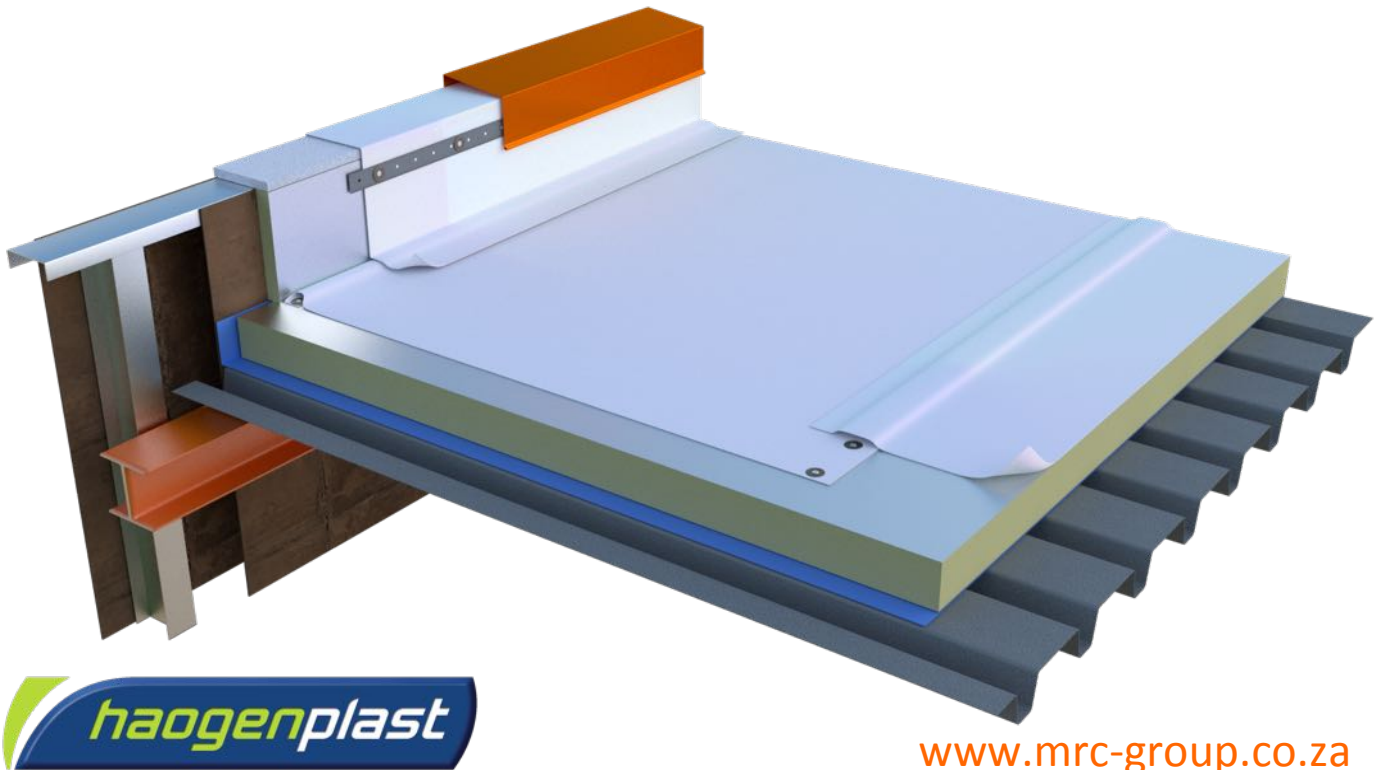
# THE IMPERVIOUS RANGE

Excellence in  
Waterproofing Systems

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## SINGLE-PLY WATERPROOFING MEMBRANES FOR METAL ROOFS



[www.mrc-group.co.za](http://www.mrc-group.co.za)

### SYSTEM OVERVIEW:

MRC's range of single-ply PVC waterproofing membranes, supplied by Haogenplast (one of the world's leaders in Elva based formulations), are perfectly suited to use on any new build or refurbishment of public buildings, retail, commercial and industrial roofing projects.

Haogenplast's Ogen Flex or the premium Elva Flex PVC roof membranes, provide a quick to install, seamless, monolithic long-term waterproofing solution for metal roofs, even around roof penetrations, without the need for back flashings.

Insulation can be easily accommodated within the single-ply roof membrane system that can be either mechanically fixed or adhered to the substrate below.

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

### KEY FEATURES:

- Vast areas installed quickly
- Seamless hot air welded laps & joints
- Fully adhered or mechanically fixed options
- R-Value thermal performance up to 10 (m<sup>2</sup>.K/W)
- Resistant to microbial, chemical and environmental attacks
- Good solar reflectivity that reduces heat in the roof
- Flame retardant material
- Flexibility, high mechanical strength & dimensional durable
- 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](http://www.mrc-group.co.za)

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Reference number: MRC/IR/SPM/001

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## SINGLE-PLY WATERPROOFING MEMBRANES FOR METAL ROOFS

### 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 / m<sup>2</sup> or glass fibre mat 120g / m<sup>2</sup>.
- The protective layer is used where the substrate is rough or uneven is either a non-woven polyester 300g / m<sup>2</sup> or 500g / m<sup>2</sup>.
- A vapour control layer should be incorporated between the insulation and the substrate. At all joints and edges the vapour barrier should be continued up and over the insulation and sealed accordingly.

#### 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 (m<sup>2</sup>.K/W).

#### FIXING OF THE SYSTEM

- Mechanically fixed systems are more commonly used above lightweight metal substrates, depending on the 'pull out' value of the metal roof system.

#### SYSTEM WARRANTY

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



### ACCREDITATIONS



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