

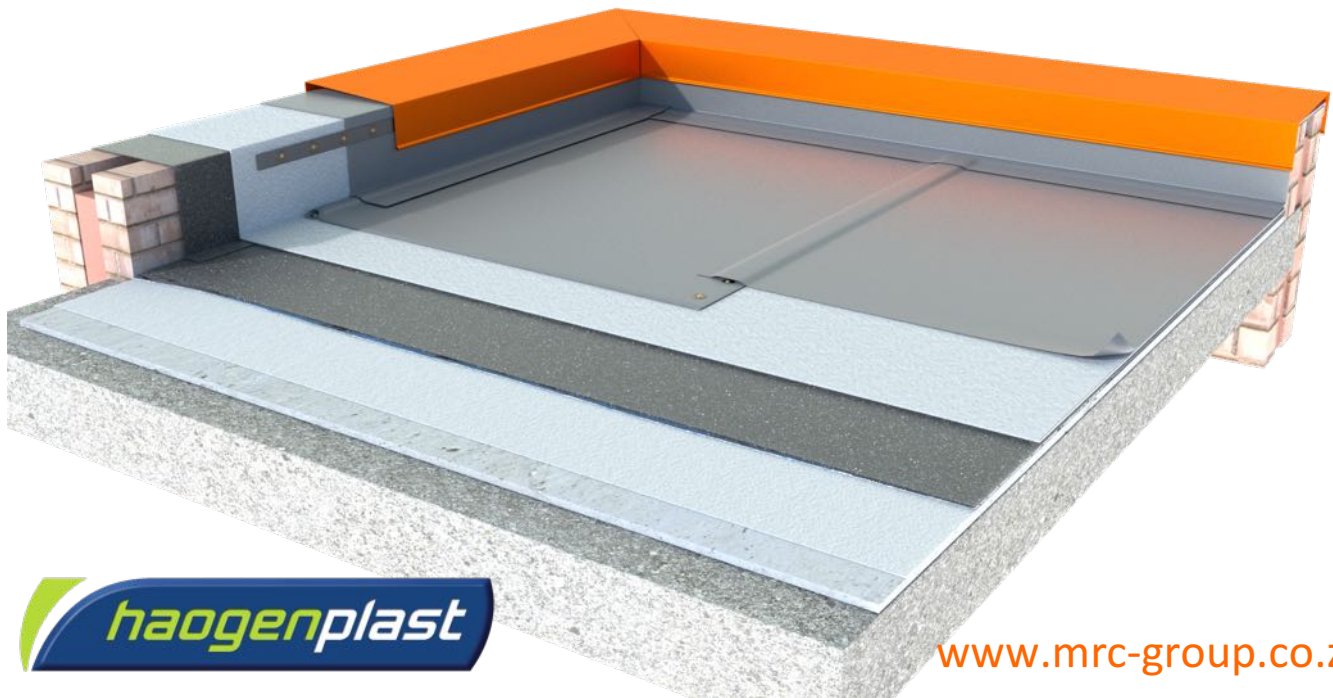
THE IMPERVIOUS RANGE

Excellence in
Waterproofing Systems

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SINGLE-PLY WATERPROOFING FOR EXISTING TORCH-ON FLAT ROOFS



www.mrc-group.co.za

SYSTEM OVERVIEW:

MRC's range of single-ply PVC or TPO monolithic synthetic single-ply waterproofing membranes and are perfectly suited to use on any refurbishment of existing torch-on flat roofs.

Many coatings and waterproofing systems cannot be applied to bitumen torch-on waterproofing membranes and therefore the only choice left for any client, normally, is to strip and costly dispose of the existing roof.

MRC's single-ply membrane can be mechanically fixed back into the structure, through the existing torch-on flat roof and therefore it is not reliant on adhesion to the failed existing roof. The single-ply membrane is then lapped to cover all exposed fixings and sealed using a hot air welding machine.

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

KEY FEATURES:

- Mechanically fixed system through the existing roof system
- Seamless hot air welded laps & joints
- No requirement to strip & dispose the existing bitumen roof
- R-Value thermal performance up to 10 (m².K/W)
- Resistant to microbial, chemical and environmental attack
- Flame retardant material
- Range of colours available depending on the size of project
- 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.
- 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 (m².K/W).

FIXING OF THE SYSTEM

- Mechanically fixed through the existing roof system into the structure below.

SYSTEM WARRANTY

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



ACCREDITATIONS



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