

# MRC REFURBISHMENT SERVICES

Excellence in Roof  
Refurbishment

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## COMBUSTIBLE ROOF INSULATION REPLACEMENT SOLUTIONS



### SYSTEM OVERVIEW:

MRC Group is one of southern Africa's most experienced refurbishment contractors in replacement of combustible roof insulation, whilst keeping the building operational within.

Many of the buildings constructed over the last 15 – 40 years are being used, however during that time the requirements for thermal and fire performance have changed, leaving the building owner with combustible roof insulation and a potential insurance problem.

Depending on the use of the building & the requirements of the insurer this existing insulation may need to be replaced with class A1 non-combustible roof insulation.

MRC Group have replaced over 200,000m<sup>2</sup> of combustible roof insulation, in the last 3 years and ensured the retail / industrial buildings remain operational whilst the works are undertaken in a clean, timely and safe manner.

### KEY FEATURES:

- Replace combustible roof insulation with class A1 non-combustible
- The building remains operational whilst the works are undertaken
- Existing roof sheeting can be re-installed or replaced depending on its condition
- Over-roofing option provides a dramatic improvement in thermal performance
- Opportunity to increase the amount of daylight into the building with additional roof lights
- All works undertaken with the option of Guardian™ Maintenance

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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## COMBUSTIBLE ROOF INSULATION REPLACEMENT SOLUTIONS

### TECHNICAL DATA:

#### STRAINING WIRE INSULATION SUPPORT SYSTEM

- Existing 1.6mm galvanised or coated steel wire to be checked that it has been perpendicularly secured to the purlins at between 300 – 400mm centres or replaced if necessary

#### FACED BULK DENSITY INSULATION

- Full range of insulation types & thicknesses available
- Facings include silver foil, white & black
- Fire Classification Class A1 (non-combustible)
- Insulation to be stapled as per manufacturer's details

#### METAL ROOF SYSTEMS

- All exposed fixings for the 'Pierced Fix' metal roof system replaced with class 4 fixings for longevity
- A minimum of 30% of existing clips replaced for the 'Concealed Fix' metal roof system to ensure good engagement depending on the age and condition of the roof system
- Metal perimeter flashings to be sealed against water ingress or replaced for the longevity of the roof system
- Gutters are cleaned from debris

#### DAYLIGHT ROOF SOLUTIONS

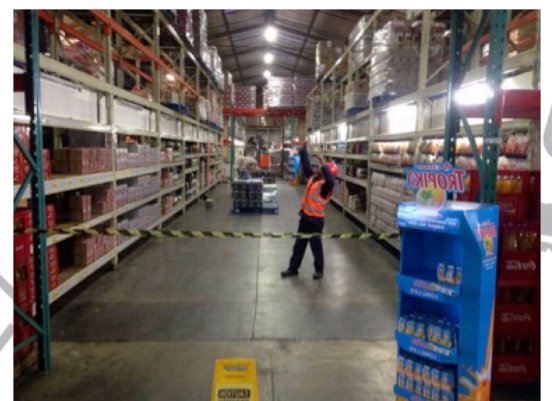
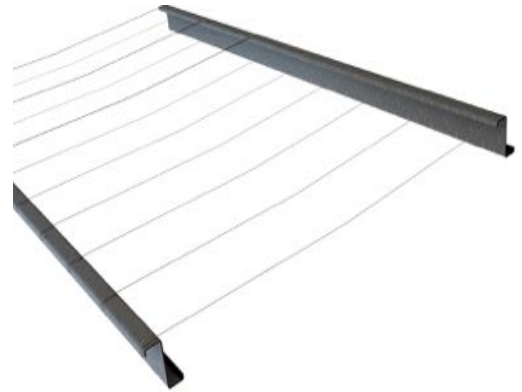
- Increase the amount of daylight into the building with GRP roof lights providing a safer, long term and energy saving daylight solution

#### SAFE INSTALLATION

- The roof sheeting and existing insulation is removed in bays with the MRC Warden on the floor below, cordoning off the area and cleaning any loose debris from above
- All our works are undertaken in strict accordance with MRC Health & Safety procedures, industry standard methods giving all due care and attention to the weather conditions

#### GUARDIAN™ MAINTENANCE - OPTION

- Up to 20 years, single source, Guardian™ Maintenance ensuring the longevity of the roof system, insulation, gutters and metal flashings



### ACCREDITATIONS



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