

# RAPID R

THE PERFECT SOLUTION FOR OVERLAYING EXISTING MINERAL SURFACED ROOFS

The Rapid R torch-on overlay is the perfect product for re-establishment of the long-term waterproofing integrity of roofs in need of refurbishment, especially mineral surfaced roofs, eliminating the need to strip off the existing roof covering and therefore minimising disruption and providing a cost-effective solution. At the heart of Rapid R is the uniquely formulated dual compound APP polymer modified bitumen. This unique compound is specially designed for a perfect adhesion to this type of aged and/or failed roofing, and in most situations the existing roof surface does not require to be primed. The ease of application will help reduce gas consumption and save time, and contribute to the exceptional properties of Rapid R when used in refurbishment projects. Furthermore, Rapid R has a black slate mineral surface ensuring an attractive aesthetic appearance on the finished roof.



## Durability and Performance

A vital feature of this membrane is the use of two different types of compound. A proven modified bitumen mixture is used on the upper side, and a thermo activating special compound (TAC) on the underside. The reinforcement comprises a non-woven single strand composite polyester fabric to ensure excellent mechanical properties and dimensional stability.

## Benefits

- 5mm single layer overlay membrane
- Ease of application
- Efficient application which translates into labour and material savings
- Perfect adhesion on existing mineral surfaced roofs without the need for priming
- Typical life expectancy in excess of 20 years

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## Characteristics

There is only a minimal amount of heat required (compared to traditional torch-on products) for the membrane to soften due to the low melting properties of the TAC compound. Indeed it softens so easily that perfect results can be achieved even when using appropriate hot air equipment. Therefore the use of naked flames can be avoided if necessary. As a result of these properties, in most cases primer is not required during refurbishment as the bitumen flows very easily over the old roofing whilst penetrating the smallest particles, and provides an exceptional bond to the existing substrate.

The quick installation method of the Rapid R single layer overlay, coupled with the cost savings associated with stripping off and disposing of the existing roof, ensures an economical and long-lasting solution can be achieved, making the membrane the ideal partner when it comes to refurbishment.

## Product Data

Thickness	5.3mm
Roll size	8 x 1m
Roll weight	40kg (5kg/m <sup>2</sup> )
Shear resistance (L/T)	500/400 N/50mm
Tensile strength (L/T)	600/500 N/50mm
Elongation at break	35%
Dimensional stability	0.3%

## Application

Fully bonded by torch application with 4 Bar propane gas torch equipment. Laps can be sealed by torch application. Lap sizes (all systems): 100mm side, 150mm end.

- All overlaps must be with the slope. Always position the membrane starting from the lowest point.
- Position the membrane sheets staggered, avoiding any overlaps against the roof fall.
- Cut the corners of membrane sheet which will be laid under the next sheet at a 45° angle (100 x 100mm).
- The joints, both side and head, must be respectively overlapped by 100 & 150mm.
- The membrane should be applied astride to the existing roofing and always in the same direction.
- The bituminous membrane will be applied with a propane gas torch to the substrate. It is necessary to heat the entire surface, making sure that the compound forms a liquid mass in front of the roll to ensure that it saturates any superficial porosity.
- Once torched, the side laps (100mm) and head laps (150mm) must be pressure rolled with a long handled 15kg roller from which a bead of compound should flow, therefore avoiding having to trowel the overlaps.
- Apply the vertical membrane sheet making sure that it overlaps the horizontal one by at least 100mm, heating it with a gas torch and squeezing it with a trowel until a bead of compound appears from underneath.
- The height of the vertical details must be equivalent or superior to the finished surface by at least 150mm.

## Storage

Store upright in a clean, dry location, and away from heat sources.

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