

THERMABAND R171

PREMIUM GRADE HAPAS OVERBANDING TAPE



ThermaBand R171 is a HAPAS approved thermoplastic overbanding tape, which is used to seal joints in asphalt and concrete surfaces, preventing water ingress and associated frost damage. It has an advanced formulation which retains flexibility in cooler conditions and has an anti-skid aggregate within the material to provide a skid resistance exceeding 60 SRV. ThermaBand R171 is applied using a simple torch on system which is easy to apply and cools down to re-open to traffic quickly, without the need for boilers.

FEATURES:

- HAPAS approved
- Stops water ingress
- Stays flexible at low temperatures
- Retained skid resistance exceeds 60 SRV
- Rolls and Strips available

BENEFITS:


- Guaranteed performance
- Prevents freeze/thaw damage
- Can be used in winter months
- Safe solution across lifetime
- Options for different applications



Black



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PREPARATION:

The application surface should be sound and clean, free from grease, oil, rust, scale, dirt, or any other soiling that might affect adhesion or performance. Surface needs to be well compacted with no loose aggregate.

PRIMERS:

Concrete and other cementitious surfaces - use **Meon ProTack aerosol primer** or **Spectrum UniPrime X450**.

Asphalt and tarmacadam - no primer required on weathered surfaces; **Meon ProTack aerosol primer** may be used to improve adhesion if desired.

APPLICATION:

The Magma ThermaBand R171 can be applied when the ground temperature is between 1°C (prior to pre-heating) and 40°C but should not be used in periods of continuous or heavy rain. Extra care must be taken when handling the overbanding tape in low temperatures (usually below 10°C), as it will be less flexible. Unrolling and cutting of the tape will be easier if it can be maintained at temperatures in excess of this.

Lay out product and cut to size, by scoring with sharp knife and gently bending back on itself to “snap” clean. Put product to one side. Use gas torch to pre-heat surface where product is to be laid, to remove any moisture and provide a warm surface to enable bonding.

Place the product in position and use gas torch to heat. Go over the marking in a pendulum motion, holding the torch no closer than 150mm to the product. Avoid holding the torch in one place, as it will cause the product to scorch. Heat evenly to 180 - 200°C, do not exceed 220°C (Use **Meon Infrared Thermometer** to monitor this). The product will shrink/melt into the profiles of the surface and the edges will bevel off as it melts. Apply heat until the whole area is fully bonded to the surface.

CURING:

The product should not be trafficked until it has cooled to the temperature of the surface it is laid on, typically under 5 minutes.

AFTERCARE AND MAINTENANCE:

No aftercare or maintenance required.

TECHNICAL:

SKID RESISTANCE VALUE	Value	HAPAS Specification
Initial	62	>60
After wheeltracking @ 50°C	65	>50

TENSILE ADHESION ASPHALT	Value	HAPAS Specification
Initial	0.65 N/mm ²	0.5 N/mm ²
After wheeltracking @ 50°C	0.89 N/mm ²	0.3 N/mm ²

TENSILE ADHESION CONCRETE	Value	HAPAS Specification
Initial	0.59 N/mm ²	0.5 N/mm ²
After wheeltracking @ 50°C	0.55 N/mm ²	0.3 N/mm ²

Technical data @ 20°C

STORAGE AND PACKAGING:

STORAGE CONDITIONS:

Storage conditions: Storage area should be dry, protected from direct sunlight and extremes of temperature - i.e. between 5°C and 20°C.

SHELF LIFE:

Minimum 12 months when stored under cover, in original unopened boxes, in accordance with storage condition guidelines listed above.

SIZES AVAILABLE:

35mm x 5m (9 rolls/box)

35mm x 1m (45 strips/box)

HEALTH AND SAFETY:

Familiarise yourself with the material safety data sheets before using this product. If you need a copy please call our technical team on **023 9220 0606**.

CERTIFICATION:

Magma ThermaBand R171 is BBA HAPAS Approved for use as an overbanding system to seal and repair cracks, fretted joints and reinstatement joints up to 5mm wide in non-porous bituminous and concrete highways.



MEON UK

+44 (0)23 9220 0606

MAIL@MEONUK.COM

MEONUK.COM

MEON IRELAND

+353 (0)1 840 7647

INFO@MEONIRELAND.COM

MEON.IE



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