

## MULTIHOLES S/40

### Nature of product

Perforated membrane for connecting layers for waterproofing semi-adhesive systems, made of polymer-bitumen with reinforced fibreglass reinforcement. It has upper and lower surfaces protected by the TERMOTENE film in non-stick function.

### Intended use

The MULTIHOLES S/40 is suitable for application in controlled and balanced semi-adhesion, creating:

- layers of steam pressure diffusion;
- layers of ventilation.

In fact the use of MULTIHOLES S/40, laid dry under the waterproofing membrane, applied to it in total adherence, creates anchorage only at the points predetermined with drilling.

Thereby obtaining:

- anchoring for points of the waterproof covering with a more even distribution of stresses resulting from thermal expansion movements and substrate settling;
- an equalisation chamber of the steam pressure which prevents the localised formation of bubbles, with relative tensions, on the waterproof covering resulting from the evaporation of water trapped beneath it.

The use of MULTIHOLES S/40 under the waterproofing membrane is essential for the recreation of old waterproofing when it is not planned to remove the previous covering.

### Application procedure

The application of the MULTIHOLES S/40 is particularly simple and fast. The surfaces to be waterproofed must be carefully prepared.

The concrete ones will be finished with a medium-fine trowel, suitably seasoned, free from grout and/or loose and non-adherent parts, treated with specific IMPERTENE PRIMER bituminous primer.

The old degraded waterproofing membranes must be carefully cleaned, any bubbles cut crosswise to evacuate the humidity and then the flaps will be re-glued; the specific bituminous primer will be applied across the entire surface (consult the Imper Italia catalogues).

On the prepared surfaces the MULTIHOLES S/40 is simply unrolled, ensuring that the lateral and end overlaps are at least 5 cm. Obviously along the perimeter of the covering for a width of at least 100 cm, and close to chimneys, brows, acroteria, exhaust vents etc., the waterproofing layer must be applied in total adherence and therefore the use of MULTIHOLES S/40 must be avoided at such points.

On the MULTIHOLES S/40, the waterproofing membrane forming the sealing element is applied by means of propane gas flame tempering. The flame of the torch is applied directly on the MULTIHOLES S/40 and on the lower side of the Thermotene-treated membrane such that the surface layer of the membrane compound melts and sticks, through the holes of the MULTIHOLES S/40, to the surface to be waterproofed. During this operation, obviously, the flame will destroy the non-stick plastic film (Thermotene) thus allowing the adhesion described above.

### TECHNICAL SPECIFICATIONS

Specifications	EN Standards	Unit of Measure	Tolerances	MULTIHOLES S40
Roll dimensions	1848-1	m	≥	30 x 1 (-1%)
Mass per unit area	1849-1	kg/m <sup>2</sup>	±5%	1
Bonding area		%		14
Diameter of holes		mm		40
Flow resistance at elevated temperature	1110	°C	≥	120

**Note:** Unless otherwise specified, the values are determined with the tolerances provided for in the UEAtc Directives for APP bitumen-polymer membranes.

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