



## Application areas

- Wall
- Floor
- Wet room
- Heavy duty wet room
- Steam sauna
- Balcony
- Terrace
- Indoors
- (Outdoors)

## Substrate

- Concrete
- Lightweight concrete
- Masonry
- Plaster
- Gypsum board
- XPS board

# 4500 vapourmat



**Water- and vapor-tight foil, best protection for base construction. Waterproofing membrane ready in one go.**

- **Controlled factory quality**
- **Three-layered durable grey fabric**
- **Extra high water vapour barrier  $S_d=81,4\text{ m}$**
- **Extra high crack-bridging ability**
- **Applied with 4630 aqua-flex 2k**

4500 vapourmat is easy to use, as the waterproofing can be made in one go. Foil is ready for tiling.

4500 vapourmat is a part of mira waterproofing system, which is ETAG022 approved.

4500 vapourmat is available in a 100 cm × 30 m roll.

## Product description

Water- and vapour barrier foil suitable for all kinds of substrates.

## Technical data

Water vapour barrier	Sd > 80 m
Dimensions	1 x 30 m
Thickness	0,4–0,6 mm
Mass	u 220 g/mm <sup>2</sup>
Material	polypropylene, polyethylene
<b>mira 4630 aqua-flex 2K hardening time at 18°C</b>	
For further treatment/tiling	6 h
Full strength	7 days
Optimal working temperature	10–20°C

## Application areas

Used for protecting wet rooms from water and humidity. Can be used in wet areas in residential and public buildings, schools and sport halls.

## Type of substrate

mira 4500 vapourmat is suitable for use on all kinds of substrates. The substrates should be stable materials such as concrete, lightweight concrete, masonry plaster etc, but can also be moisture sensitive materials like gypsum board etc.

## Pre-treatment of substrate

The substrate must be strong, firm and clean. Absorbent substrates are preferably worked with mira 4180 primer beforehand. The surface has to be dry enough for mira 4180 primer to maximally absorb in 1h. All plumbing works have to be finished.

## Application

4500 vapourmat is glued to the substrate using 600g/m<sup>2</sup> mira 4630 aqua-flex 2K. Indoors can 4500 vapourmat be applied with 500g/m<sup>2</sup> mira 4400 multicoat. It is essential not to apply more waterproofing adhesive on the substrate than can be covered with vapour barrier mats within approximately 20 minutes.

4500 vapourmat panels have to be cut 5 cm longer than the wall height or the length of the wall. The 4500 Vapourmat is pressed into the adhesive using a suitable trowel or spatula that won't damage the foil. mira 4500 vapourmat foil applications should be started from the corner so that the panel will reach over the corner about 5 cm.

There are two methods of installation.

**Method 1:** The second panel is installed with a 3 cm overlap on the first one. Avoid getting 4400 multicoat on the overlap

The overlaps are glued using 3690 One Seal adhesive or 4630 aqua-flex 2K mass. Make sure that you use enough of the glue or adhesive and press the overlaps firmly together

**Method 2:** 4500 vapourmat panels are installed edge to edge. The joints are sealed using mira self-adhesive 4564 seal band tape. The tape and a 3 cm edge are covered with 4630 aqua-flex 2K mass.

The circular gully should not be closer than 20 cm to the wall. The 4500 vapourmat is cut to fit the gully, preferably using a special cutter. For more detailed gully installation instructions, refer to the mira wet room brochure. After that, tiling can be started.

## Inlets waterproofing

All inlets should be covered with prefabricated reinforcement pieces – mira manchets. Manchets are glued with mira 3690 one seal immediately or after 4630 aqua-flex 2K is hardened. Manchets are pressed into fresh 3690 one seal. Inlets metal parts should be cleaned with acetone, plastic should be cleaned and roughened up. Always apply some glue around inlets before applying manchet to the place.

## Packaging

4500 vapourmat is available in a 100 cm x 30 m roll.

## Storage and transportation

Transport and store in a frostfree and cool environment.

## Sales

mira products are available in well-equipped construction stores.